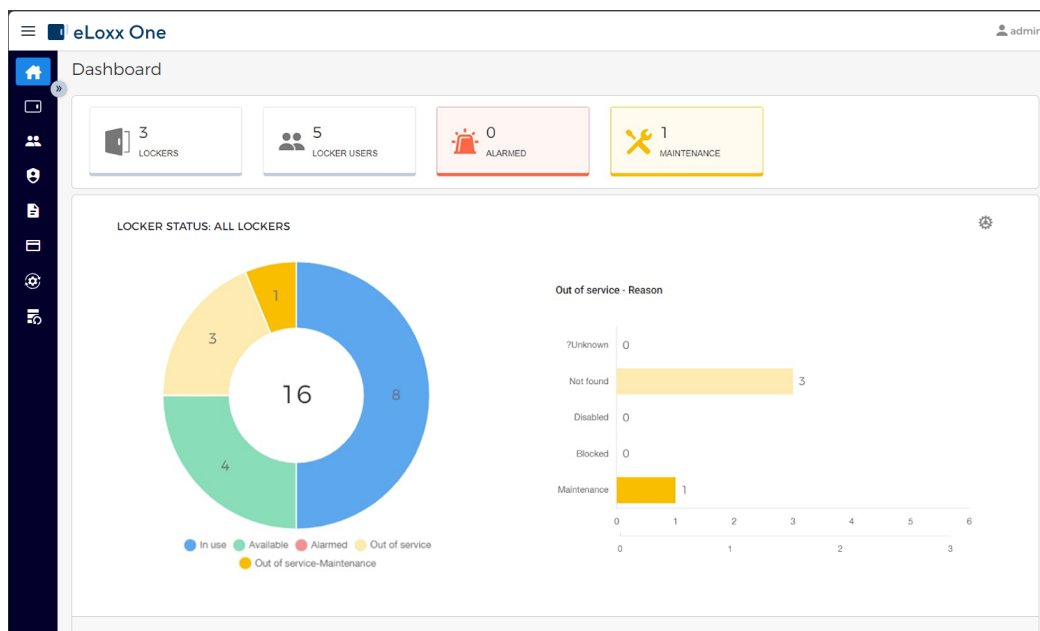


eLoxx One

Embedded Locker Management Software for GANTNER G7 Hardware



Installation, Configuration, Operation

Document Version: 2.4 | SW Versions: 2.4.0 (Controller App), 3.7.0 (GC7 Controller FW)



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1. GENERAL INFORMATION

1.1. About this manual

The section "[General Information \[4\]](#)" provides an overview of the information and instructions contained in this manual. In addition, the formatting used throughout the manual and the frequently used terms are explained.

The section "[Overview \[6\]](#)" provides an overview of the main functionality of eLoxx One and the associated hardware components as well as a summary of the requirements for operating the locker system.

The section "[Installation \[9\]](#)" provides an overview of how to install and activate eLoxx One within a web browser via the GC7 web interface.

The section "[User Interface \[21\]](#)" describes each configuration page of eLoxx One and how to navigate around the main components of the user interface.

In the section "[Applications \[34\]](#)", application examples are provided to explain how to configure the locker system, add and manage the users, and successfully implement the operational functions of eLoxx One to manage your locker system.

Validity:

- This information is valid as of October 16th 2024.
- It is subject to change. Amendments can be made without prior notice at any time!
- The information is applicable to V2.4.0 of the G7 Main Controller App and V3.7 of the GC7 Controller firmware.

1.2. Terminology

The terms used often in this manual are defined below.

eLoxx One

eLoxx One is an extension of the G7 Main controller App, which allows the configuration and control of the connected controllers and locks via a web user interface.

G7 Main Controller App

The name of the software (app) that is installed on the GC7 controller thereby allowing it to operate as a main controller in the locker system.

Sub controller

The electronic locker locks connect to the various sub controllers. The GAT NET.Lock 702x locks to a GAT NET.Controller S 7020 sub controller and the GAT SMART.Lock 70xx to a GAT SMART.Controller S 7020. The sub controllers receive signals from a main controller (GAT NET.Controller or GC7 controller) via a serial RS-485 interface to control the connected locks.

Lock

General term for the GAT NET.Lock 702x or GAT SMART.Lock 70xx electronic locks.

Locker

This term describes all possible locker applications, e.g., a changing room locker, depot box, or private box, which can be locked by the GAT NET.Lock 702x or the GAT SMART.Lock 70xx.

Locker Mode

An electronic lock can operate in different locker modes. The mode determines, how the users are able to use the lockers, for example to select any available locker or only certain lockers assigned to the users with or without time restrictions. The following modes can be set:

- **Free Locker:** The user can select any free locker in the locker groups, where he has access to.
- **Personal Locker:** Users can be assigned to personal lockers. The users can only operate their assigned lockers.
- **Dynamic Locker:** This is a combination of Free Locker and Personal Locker mode. The lock in a Dynamic Locker works like in free locker mode until a user selects and uses the locker. When it is locked, the locker is assigned to the user and therefore works like in personal locker mode.

RFID (Radio-Frequency Identification)

Identification over short distances using radio frequency. An RFID data carrier is used as identification media.

Data carrier

A data carrier is a form of identification media that is used by employees and visitors in a facility for identification. Data carriers are available in a variety of different forms such as plastic wristbands and chip cards. Data carriers are also available to suit different RFID technologies (LEGIC, MIFARE®, ISO 15693).

User

This term refers to the end user (person) who is using or operating the GANTNER device to complete a function.

1.3. Contact and inquiries

If you have any questions concerning GANTNER products, please contact your local sales partner or one of the GANTNER branch offices directly. The contact details are available via the following link:

[GANTNER Locations](#)

2. OVERVIEW

2.1. General information about eLoxx One

The eLoxx One application enables a clear status visualization, configuration, and control of the electronic locker locks from GANTNER as well as the management of the users of the locker system. GANTNER locker locks are used for the convenient locking of lockers in recreational facilities, educational organizations, and companies, etc.

eLoxx One operates via the G7 Main Controller App installed on the GC7 controller and is intended for smaller systems with up to 192 locks, i.e., the maximum number of locks that can be connected to one GC7 controller. A license for eLoxx One must be activated in G7 Connect to begin using the application via the G7 Main Controller App. No further software installation is required on the various workstations and system operators can access the user interface of eLoxx One using any common web browser such as Google Chrome or Mozilla Firefox.

All system data is stored in the database of the G7 Main Controller App. The app is responsible for making all decisions, e.g., requests to unlock a locker, based on the data in its database. With the eLoxx One license activated, the G7 Main Controller App can also run on the GT7 terminal thereby allowing the display of data from the G7 Main Controller App database (Info terminal function).

The initial configuration of the locker system is completed in the GC7 web interface. eLoxx One can then be accessed via a direct link from the web interface or by entering the address manually into the web browser. The dashboard of eLoxx One provides an overview with the utilization and current status of the lockers clearly displayed. A detailed view is provided for each locker with actions including open locker, disable/enable locker, and reset alarm being available. The management of locker users is carried out on a dedicated page where data carriers, lockers, and authorization groups can be easily assigned to each user.

2.2. System overview

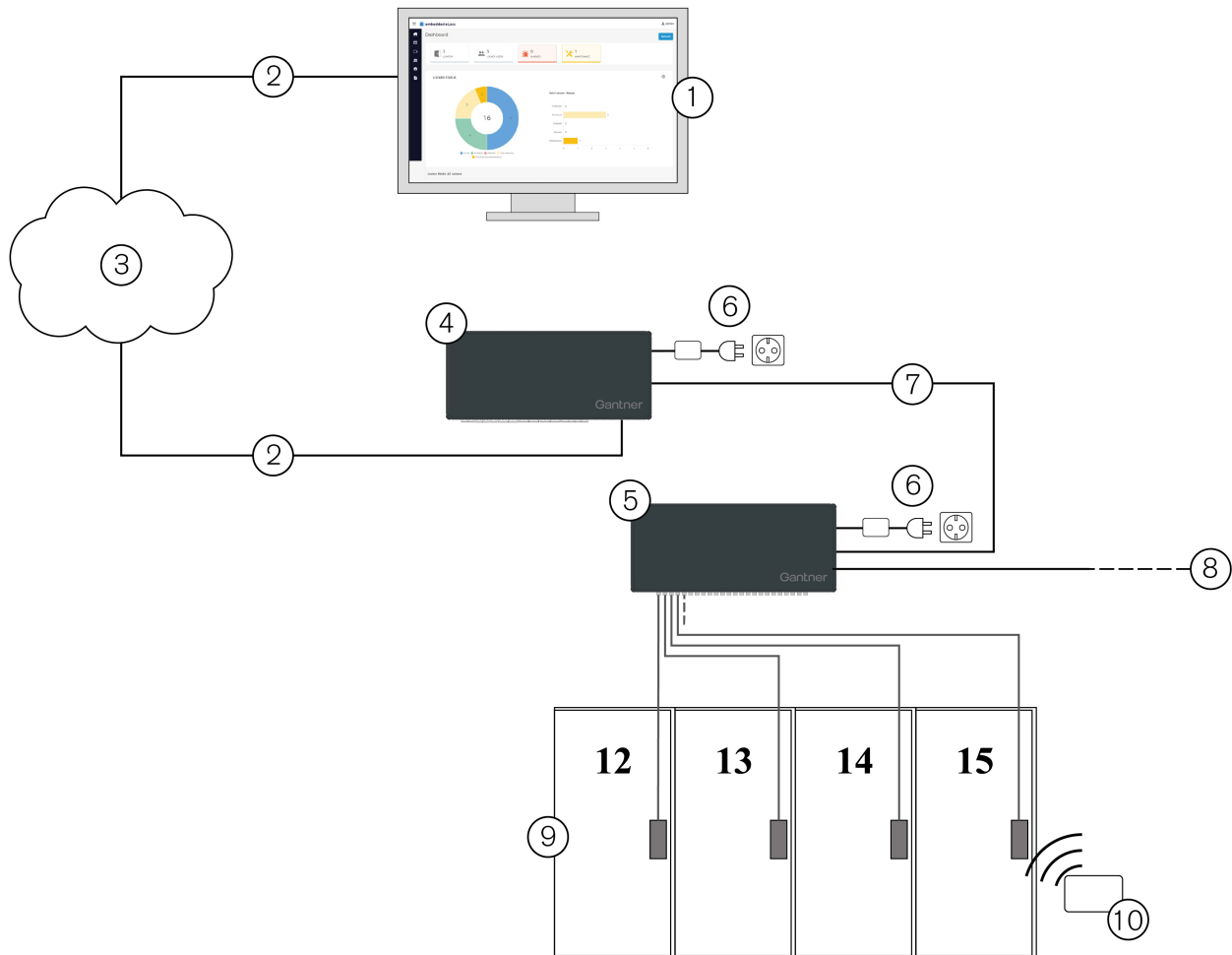
eLoxx One operates in combination with GANTNER hardware components to provide a complete electronic locker system. The following figure shows the basic structure of the system.



NOTICE

This manual describes the operation of the eLoxx One application. Separate manuals are available for other components (dark gray) that comprise the system.

Figure 1. Locker locking system with eLoxx One



- 1 ... Web browser with eLoxx One
- 2 ... Network connection
- 3 ... Connection to internet (optional) and local network
- 4 ... GC7 controller with G7 Main Controller App
- 5 ... GANTNER sub controller
- 6 ... Power supply
- 7 ... RS-485 connection
- 8 ... RS-485 connection to additional GANTNER sub controllers
- 9 ... Lockers with GANTNER electronic locks
- 10 ... User identification via RFID data carrier

2.3. System requirements and limitations

In order to use the eLoxx One software, ensure that the following requirements and limitations are met.

System requirements

- GC7 controller with G7 Main Controller App V2.4.0.
- GAT NET.Lock system (GAT NET.Lock 702x locks, GAT NET.Controller S sub controller, cables, etc.). Refer to the GAT NET.Lock system manual for more information.
- GAT SMART.Lock system (GAT SMART.Lock 70xx locks, GAT SMART.Controller S, cables etc.). Refer to the GAT SMART.Lock system manual for more information.
- Network port to access the eLoxx One website. Default HTTP port (80) or HTTPS port (443).
- Optional: broadband internet connection (min. 4/1 Mbit).

System limitations

- The system is limited to max. 192 locks (max. 8 sub controllers with max. 24 locks per sub controller).
- The total number of bookings is limited to 10,000.
- The total number of authorizations (locker users) should not exceed 10,000.

Supported operating systems

eLoxx One can be accessed via a web browser on any operating system.



NOTICE

Please note that the GANTNER Support Team can only assist when a German or English version of the computer operating system is being used. In addition, support can only be given when the customer provides all access authorizations required by the Support Team.

Supported web browsers

The following web browsers are supported:

- Google Chrome
- Microsoft Edge
- Mozilla Firefox



NOTE

Always use the latest version of the web browser to ensure optimum performance.

3. INSTALLATION

The first step in the configuration of the eLoxx One locker system is to access the web interface of the GC7 controller. You can use any common web browser to directly access a GC7 controller that is reachable via the network.

1. Open a web browser on a PC or mobile device.
2. Enter the IP address of the GC7 controller into the address line.

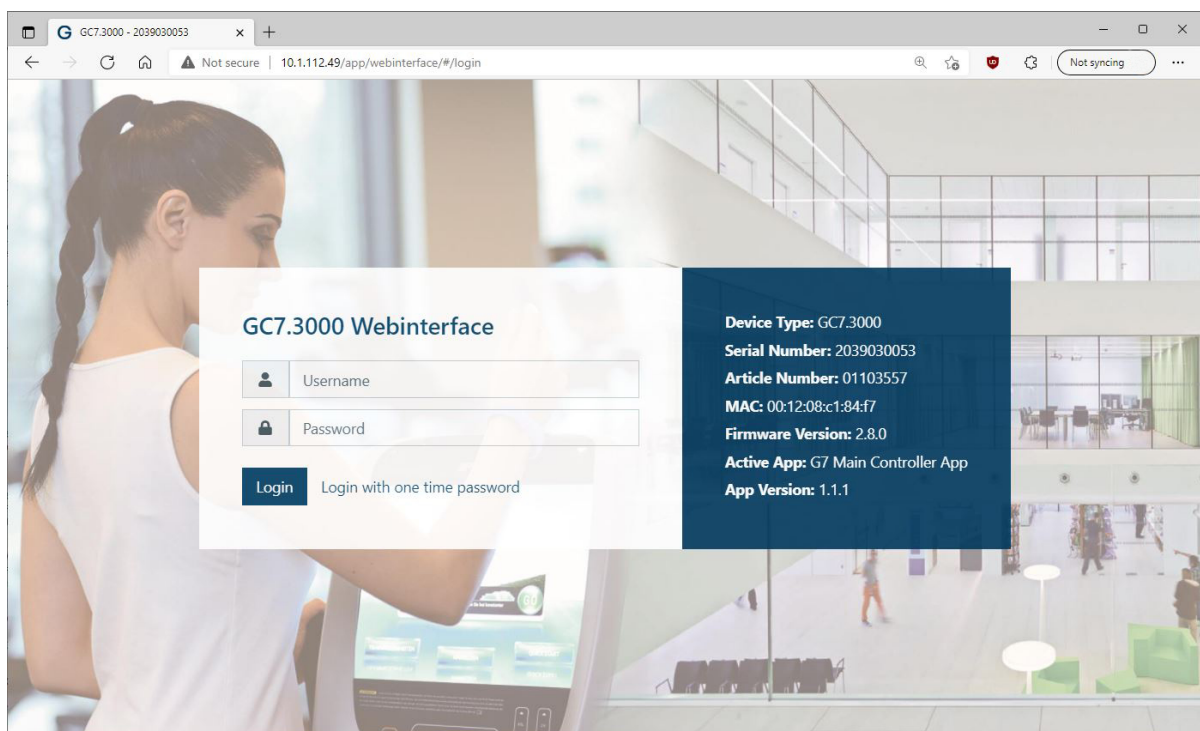
Note: The GC7 controller uses DHCP by default to automatically obtain an IP address from the network. Ask your network administrator for the IP address.



NOTE

You can also use GANTNER's GAT Device Finder software to scan the network for devices. A GC7 controller will be displayed there with the device type **GC7.x000** and the IP address. The GAT Device Finder software is available in the partner area of the GANTNER website.

↪ The login page of the GC7 controller web interface opens.



3. In the login window, enter your username and password and click **Login**.



NOTE

The default username is **admin** and for the default password please contact the GANTNER support. After the initial login, please change the default login details to a secure username and password. This is done in the GC7 web interface on the **Security and user** page of the **Device Configuration** menu (see [Adding operators to eLoxx One \[18\]](#)).

**NOTE**

In the GC7 configuration more eLoxx One operators can be created. The user names, passwords and user levels ("Manager" and "User") are selectable. See [Adding operators to eLoxx One \[18\]](#) for more information.

↪ The dashboard of the GC7 web interface opens with an overview of the system settings.

**NOTICE**

Refer to the GC7 manual for a full description of the settings and operation of the web interface.

3.1. Activating eLoxx One

Different apps can run on a GC7 controller. The GC7.2000 M lite and GC7.2000 M controllers are delivered with the G7 Main Controller App pre-installed. The GC7.2000 M controller also comes with 50 license points. 40 additional license points are required to activate eLoxx One via the G7 Main Controller App in G7 Connect.

**NOTICE**

The required license points to activate eLoxx One can be purchased from GANTNER. If you are not currently using G7 Connect, speak to your GANTNER representative about activating eLoxx One. The LAN MAC address and serial number of your GC7 controller are required for this.

3.1.1. License activation in G7 Connect

**NOTICE**

Registration is required to begin using G7 Connect. Refer to the G7 Connect manual for a full description on registering and using G7 Connect.

1. Open a web browser and enter the following URL into the address bar:

<https://gantner.cloud>

2. Confirm with **Enter**.

The G7 Connect login screen is displayed.

3. Enter your username and password for G7 Connect and confirm using two-factor authentication (if enabled).
The dashboard of G7 Connect is displayed.
4. Open the **Devices** page of the project that your GC7 controller is assigned to.

The screenshot shows the Gantner web interface. The top navigation bar includes the Gantner logo, a search project field, the project name 'PROJECT: GANTNER DOCUMENTATION PROJECT 2', and the user's name 'Administrator of Gantner Dokumentation'. The left sidebar contains a menu with options like Dashboard, Settings, Permissions, Devices, Monitoring, Configuration templates, Themes, and Activity log. The main content area is titled 'Devices - GANTNER Documentation Project 2' and features a 'Structure' panel on the left and a 'Devices' table on the right. The 'App' button in the top navigation bar is highlighted with a red dashed box. The 'GC7 Controller' device is selected in the table, and its 'App' button is also highlighted with a red dashed box.

Device name	Serial number	Device paired	Connected	Device type	Device licenses	Remaining cloud days	Actions
☐ Central Locker Desk	1910000013	Yes	Yes	GT7.3500	99	1166 days	
☐ BoR GT7	1920000082	Yes	No	GT7.3300	50	0 days	
☒ GC7 Controller	2039030053	Yes	Yes	GC7.3000	30 + 40	26 days	

5. Mark the check box next to the device name of your GC7 controller and then click on the **App** button.
↪ The following window opens.

Apply App to device(s)

☐ Update to latest version

 The specified app will be installed on all selected devices

App type *

G7 Main Controller App - GANTNER Electronic GmbH

App version *

2.3.0

☐ Change theme 

☐ Open card license 

☒ eLoxx One 

Main App

Light

Number of selected devices: 1

 Check app update status

6. In this window, define the following settings required for the G7 Main Controller app:

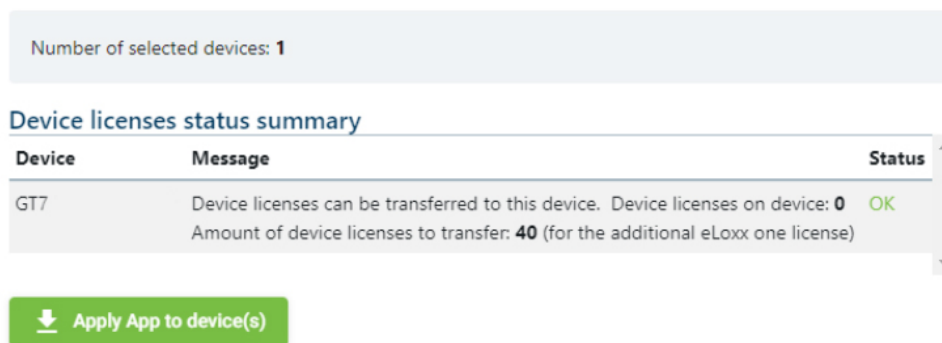
- App type: Select **G7 Main Controller App** from the menu.
- App version: Select app version **2.4.0** or a later version from the menu.
- eLoxx One: Enable this option to activate the license for eLoxx One.

Note: 40 license points (also called device licenses in G7 Connect) are required for each GC7 controller to activate eLoxx One. The required device licenses must be available in the project that the GC7 controller is

assigned to before completing this process. Information on the device licenses is provided in the main area of G7 Connect under **Licenses** → **Device licenses**. Speak to your GANTNER representative about ordering more device licenses.

7. Click on **Check app update status**.

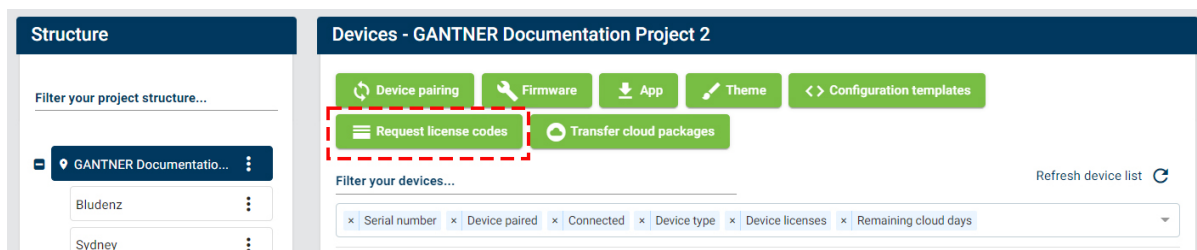
↪ A summary of the device licenses required is displayed at the bottom of the **App** window. Also shown here is whether a firmware update is required to install the app. If there are insufficient device licenses or a firmware update is required, these requirements must be met before the app can be installed.



8. Click on **Apply App to device(s)** to complete the process.

↪ Device licenses and the app are loaded to the GC7, which now operates as per the functionality of the G7 Main Controller App.

9. If your GC7 controller does not have an active connection to G7 Connect, the license code can be displayed after selecting the desired app (e.g., license code for 40 points for the G7 Main Controller App). This license code can then be entered into the GC7 web interface. Therefore, click on **Request license codes** in G7 Connect.



10. Select the G7 Main Controller App and copy the displayed license code.

11. Open the **Licensing and coding points** page on the GC7 web interface.

↪ The following window is displayed.

Gantner GC7.2000 - V2

/ Home / Licensing and coding points

License information:

Serial number: 2039030053
LAN MAC address: 00:12:08:C1:84:F7

License points: 50
Addon bus devices: 8
Open card: ☒
eLoxx one: ☐

License code:

Apply license Code

12. Enter the license code into the **License code** field and then click on **Apply license code**.

↪ The license code is checked and activated if valid. An activated license is indicated by a tick in the **eLoxx One** box.

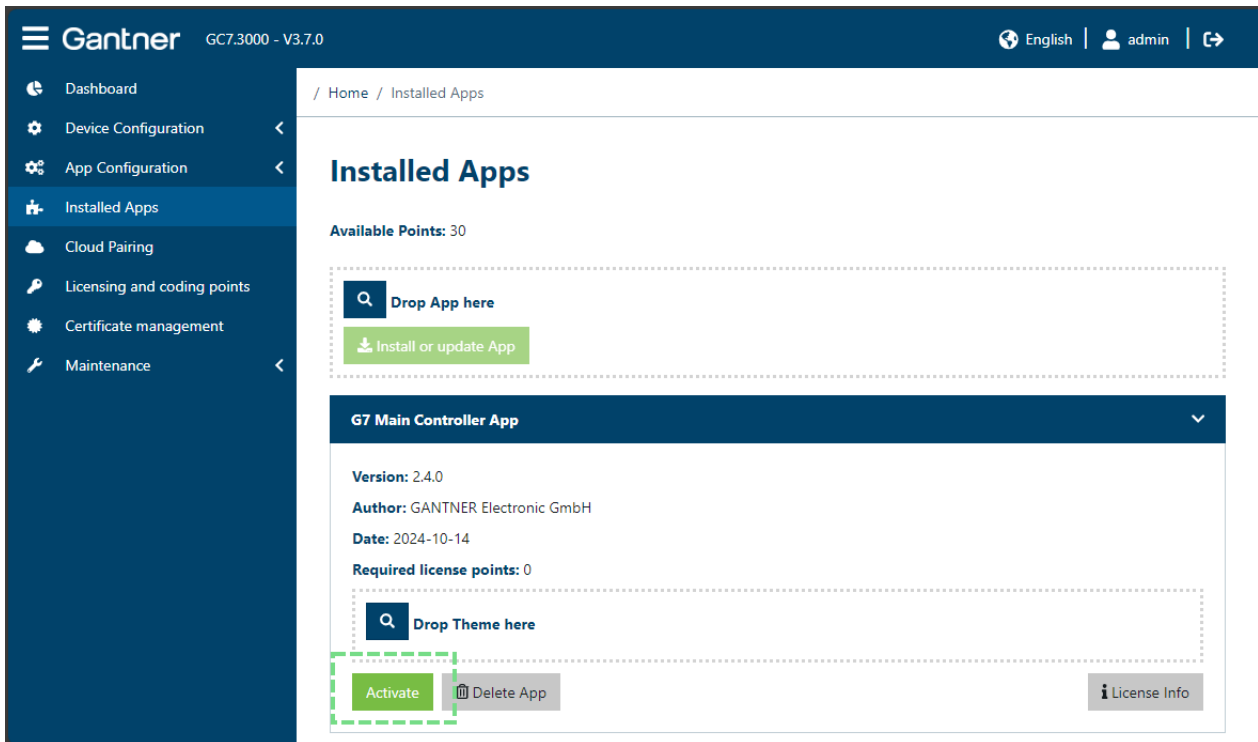
Serial number: 2039030053
LAN MAC address: 00:12:08:C1:84:F7

License points: 50
Addon bus devices: 8
Open card: ☒
eLoxx one: ☒

License code:

3.1.2. License activation in the GC7 web interface

The initial configuration of the locker system is completed in the GC7 web interface via the G7 Main Controller App, which must be set as the active app. All installed apps are listed on the **Installed Apps** page with the currently active app indicated with the green **Active App** text.



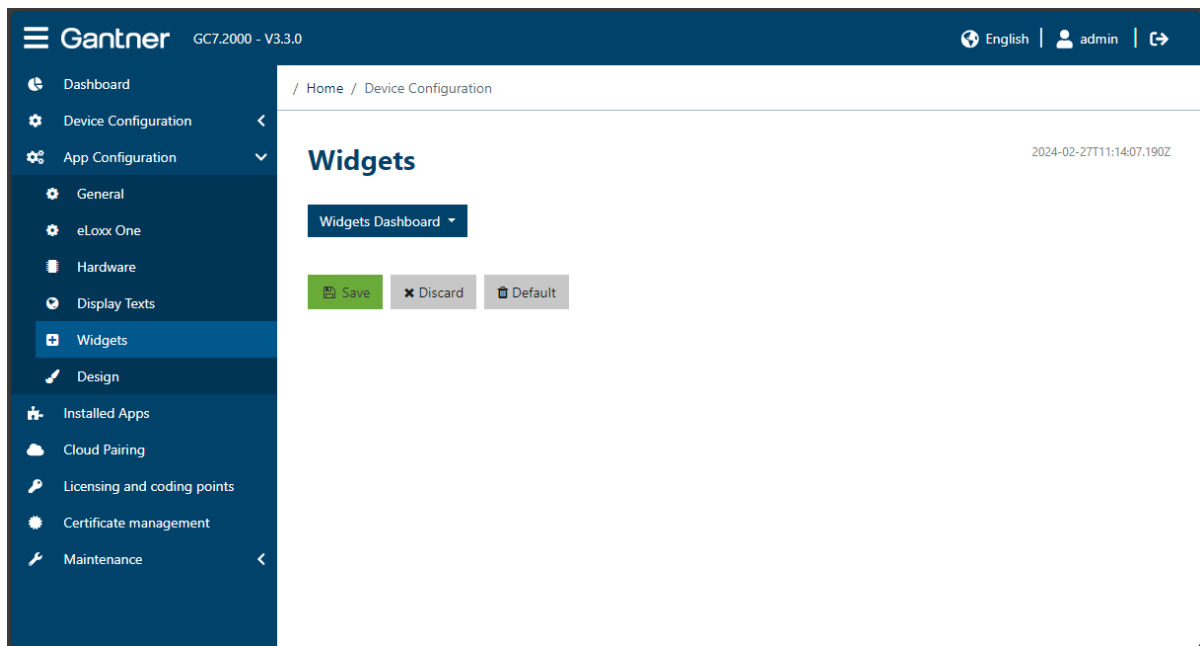
1. If required, start the G7 Main Controller app via the **Activate** button.
 - ↪ The app starts, which can take up to one minute.
 - ↪ Only one app can be active at a time, i.e., the currently active app is automatically stopped before a new app is activated.



NOTICE

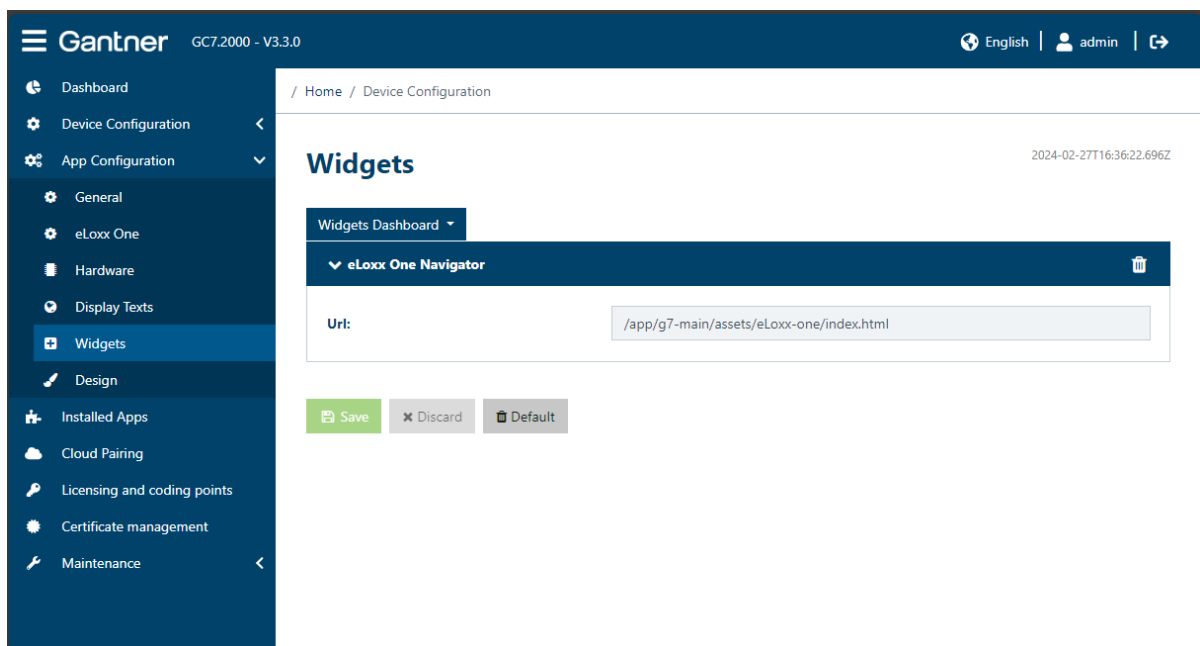
In the upper **Drop App here** field, a new app or a new version of an already installed app can be uploaded to the GC7 controller. The app file is required for this, which must be dragged and dropped onto this field.

2. After setting the G7 Main Controller App as the active app in the GC7 web interface, the user interface of eLoxx One must be activated according to the following steps.
3. Open the **Widgets** page via **App Configuration** → **Widgets** of the GC7 web interface.
 - ↪ The following window opens.

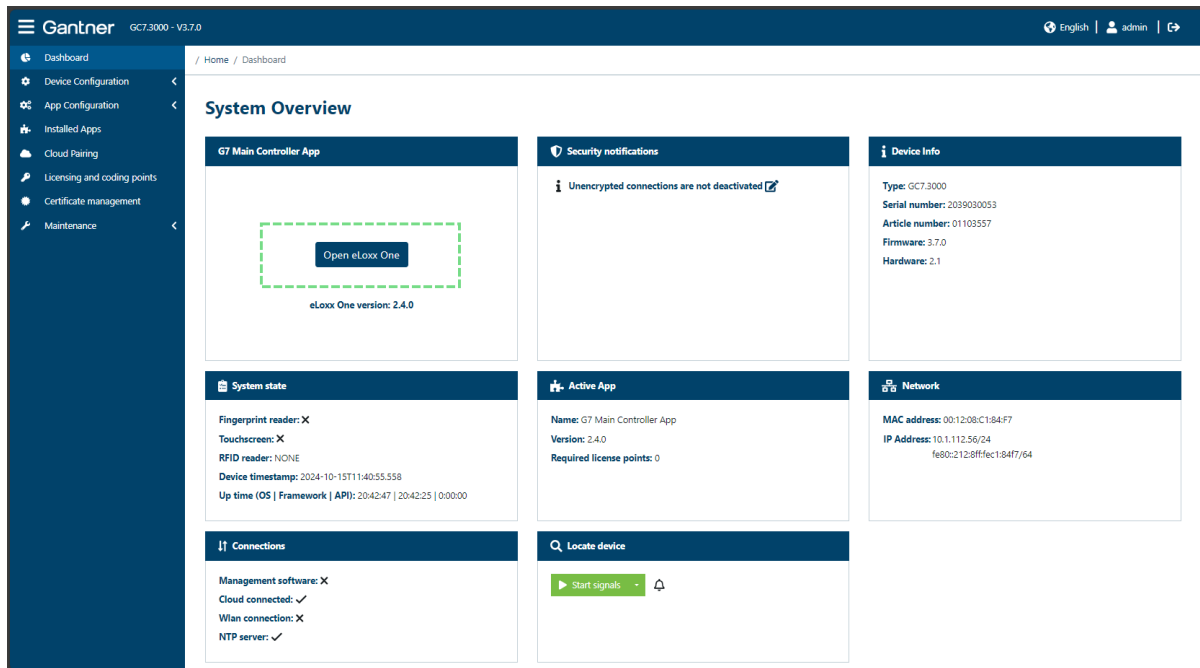


4. Click on **Dashboard Widgets** and select **eLoxx One Navigator** from the menu.

↪ The URL of eLoxx One is added automatically.

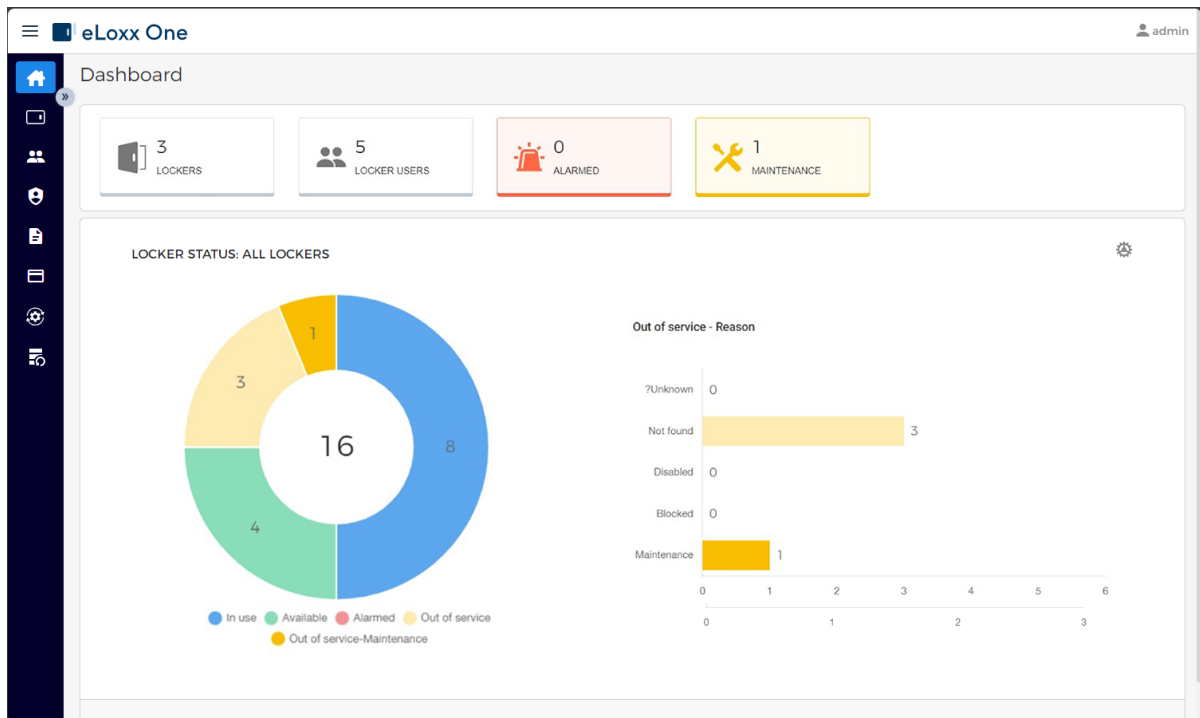


5. Click on **Save**.
 6. Open the **Dashboard** page on the GC7 web interface.
- ↪ Here you will notice a new button in the **G7 Main Controller App** section: **Open eLoxx One**.



7. Click on the **Open eLoxx One** button.

↪ eLoxx One opens in a new tab of your browser and the Dashboard is shown.



8.



NOTICE

eLoxx One can also be accessed by manually entering the following URL into a web browser:

`http://0.0.0.0/app/g7-main/assets/eloxxone`

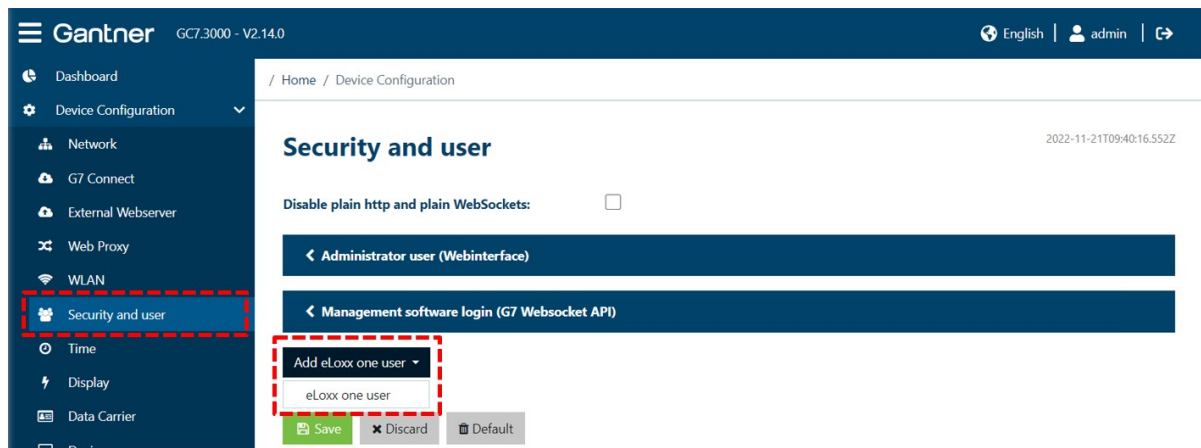
Ensure to replace the IP address shown above (0.0.0.0) with the actual IP address of your GC7 controller.

3.2. Adding operators to eLoxx One

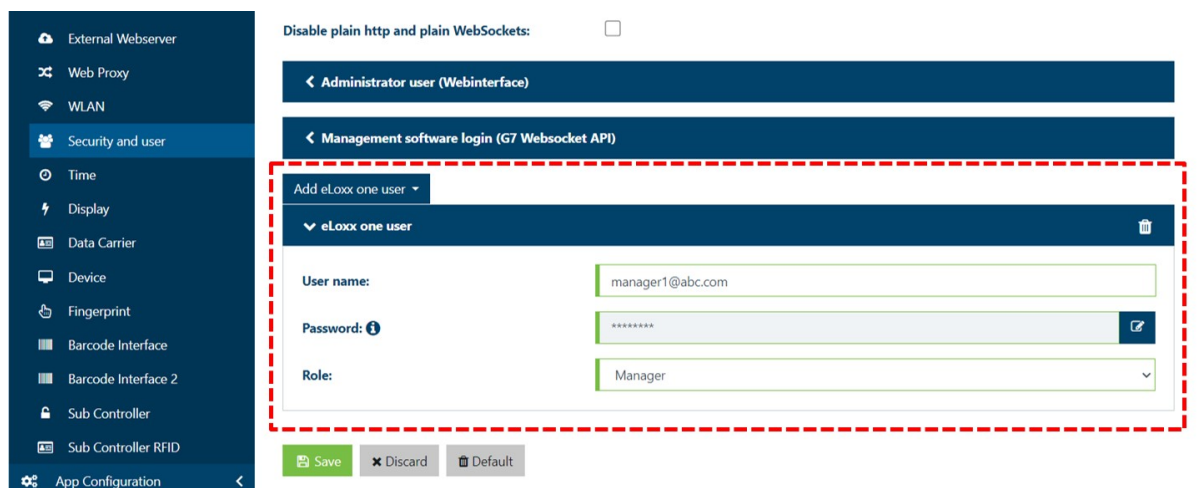
The system operators of eLoxx One, e.g., the employees of the facility responsible for managing the locker system, are added via the G7 Main Controller App in the GC7 web interface. Multiple operators can be added and assigned to two different roles (Manager or User), which defines their rights in the system. Complete the following steps.

1. Via the sidebar menu of the GC7 web interface, go to **Device Configuration** → **Security and user**.

↪ The following window opens.



2. Click on **eLoxx One user** from the **Add eLoxx One user** menu.



3. Enter a username and password (password requirements: min. 8 characters, min. 1 uppercase letter (A – Z), min. 1 lowercase letter (a – z), min. 1 number (0 – 9)) into the respective fields.

4. Select a role for the eLoxx One user:

- **Manager:** This role can view all the data like an Administrator, but has some limitations in creating new data. He can also not perform a restore of a backup file. See table below for details.
- **User:** This role has less rights than a Manager role. Basically this user role can view the **Dashboard**, **Locker view**, **Locker users**, **Authorization groups**, and **Logs** pages but cannot add information. See details below.

Function	Administrator	Manager	User
Dashboard	<ul style="list-style-type: none"> > view all locker infos > select locker mode 	<ul style="list-style-type: none"> > view all locker infos > select locker mode 	<ul style="list-style-type: none"> > view all locker infos > select locker mode
Locker view	<ul style="list-style-type: none"> > view locker overview > view locker details > open and lock lockers > disable lockers > assign a user > set/revert maintenance mode > change the locker mode 	<ul style="list-style-type: none"> > view locker overview > view locker details > open and lock lockers > disable lockers > assign a user > set/revert maintenance mode 	<ul style="list-style-type: none"> > view lockers overview > view locker details
Locker user	<ul style="list-style-type: none"> > view locker users > edit, activate/deactivate locker users > add new locker user > import/export locker user 	<ul style="list-style-type: none"> > view locker users > edit, activate/deactivate locker users > add new locker user > import/export locker user 	<ul style="list-style-type: none"> > view locker users
Authorization groups	<ul style="list-style-type: none"> > view authorization groups > edit/delete existing authorization group > add locker users to authorization groups 	<ul style="list-style-type: none"> > view authorization groups > add locker users to authorization groups 	<ul style="list-style-type: none"> > view authorization groups
Logs	<ul style="list-style-type: none"> > view log entries > define table columns > set filters 	<ul style="list-style-type: none"> > view log entries > define table columns > set filters 	<ul style="list-style-type: none"> > view log entries > define table columns > set filters

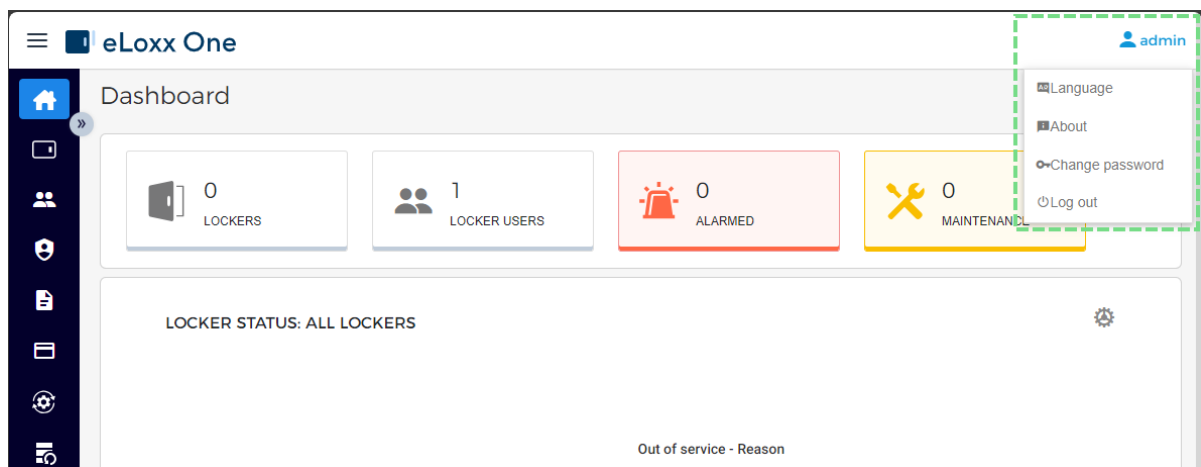
Function	Administrator	Manager	User
Master-cards	<ul style="list-style-type: none"> > view master cards > add news master cards > edit existing master cards > activate/deactivate master cards 	<ul style="list-style-type: none"> > view master cards 	X
Automatic locker action	<ul style="list-style-type: none"> > view autom. locker actions > creat new autom. locker actions > edit/delete existing locker actions > activate/deactivate locker actions 	<ul style="list-style-type: none"> > view autom. locker actions 	X
Backup and Restore	<ul style="list-style-type: none"> > backup database > restore database backup 	<ul style="list-style-type: none"> > backup database 	X

4. USER INTERFACE

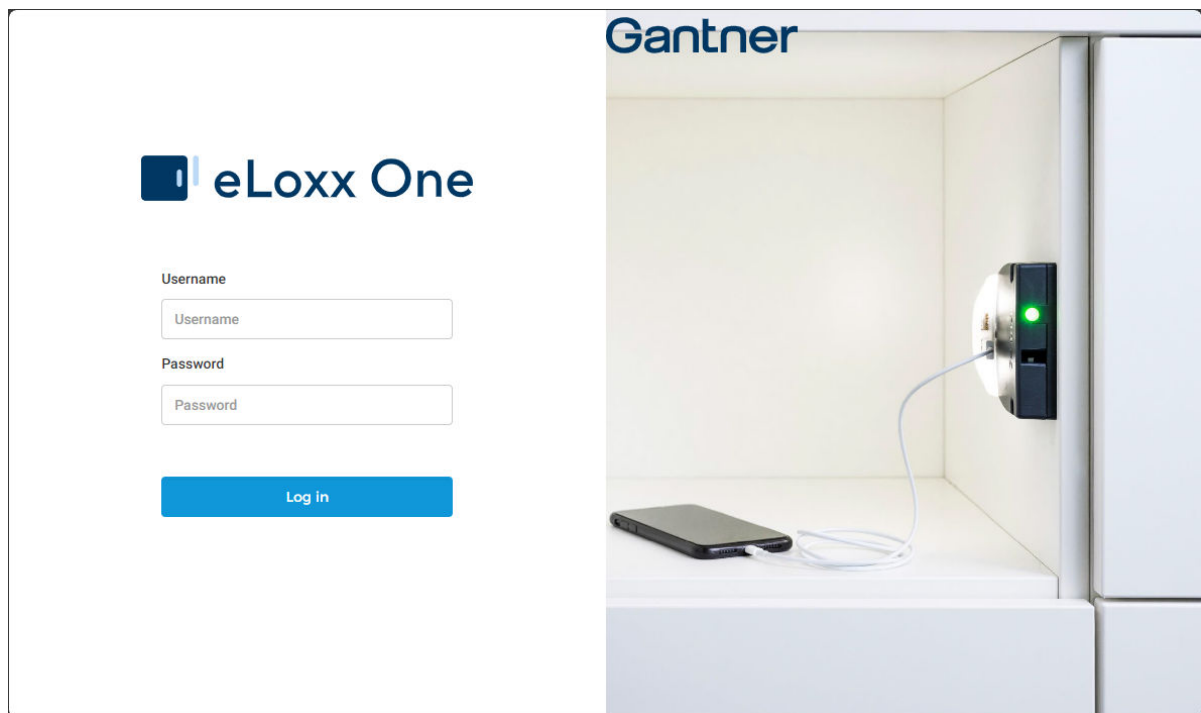
4.1. Logging in / Logging out

The login process is started automatically after clicking on the **Open eLoxx One** button in the GC7 web interface. To maintain security, it is recommended to log out of eLoxx One when you have finished using the application.

1. To log out of eLoxx One, click on the username in the top-right corner and select **Log out** from the menu.



↔ The login screen is displayed.



2. To **log in** to eLoxx One, enter your username and password into the respective fields.

Note: The input fields are case sensitive. Ensure to enter your login details correctly.

- Click on the **Log in** button.

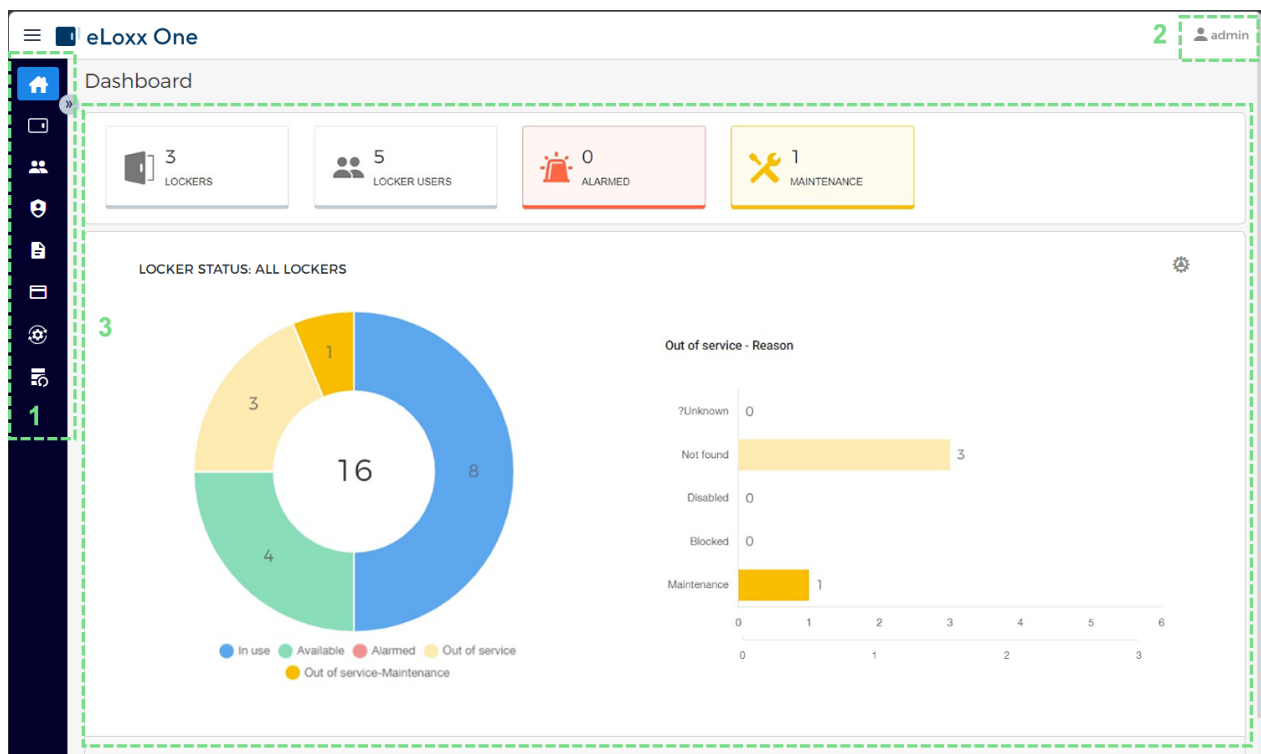


NOTICE

The login details are the same as those used to log in to the GC7 web interface and are defined in the web interface under **Device Configuration** → **Security and user**. See chapter "[Adding operators to eLoxx One \[18\]](#)" and the GC7 manual for more information. Make sure to change the default login details after the initial login!

4.2. Interface of eLoxx One

After logging in with a username and password, a system overview is displayed.



The following areas and functions are available in the main window:

1. Menu bar

Select the desired page from the menu.

- Dashboard:

This view is displayed after logging in and provides an overview of the locker system (usage, alarms, etc.).

- Locker view:

All lockers used in the system, divided into locker groups, are displayed here.

- Locker users:

The users of the locker system are managed here.

- *Authorization groups:*

Authorization groups can be used to control the location and number of lockers that members of the authorization group can use.

- *Logs:*

All activity in the locker system, e.g., the locking and unlocking of lockers, etc., is logged. You can evaluate the logged data here.

- *Mastercards:*

Here, the master cards for the system are displayed for configuration and can be enabled or disabled.

- *Automatic locker action:*

Different locker actions, e.g. the activation of maintenance mode, can be scheduled on this page to be carried out automatically.

- *Backup:*

The backup feature allows to save all data from eLoxx One (locker users, locker groups, data carriers, authorization groups, app and network configurations, etc.) and restore a previously saved backup.

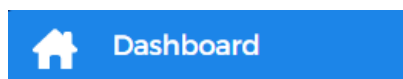
2. User menu

The username of the currently logged in user is shown here. Clicking on the name opens the user menu where you can set the display language (**Language**) of eLoxx One, view contact information (**About**), change the password used to log in to eLoxx One, and log out of the application (**Log out**).

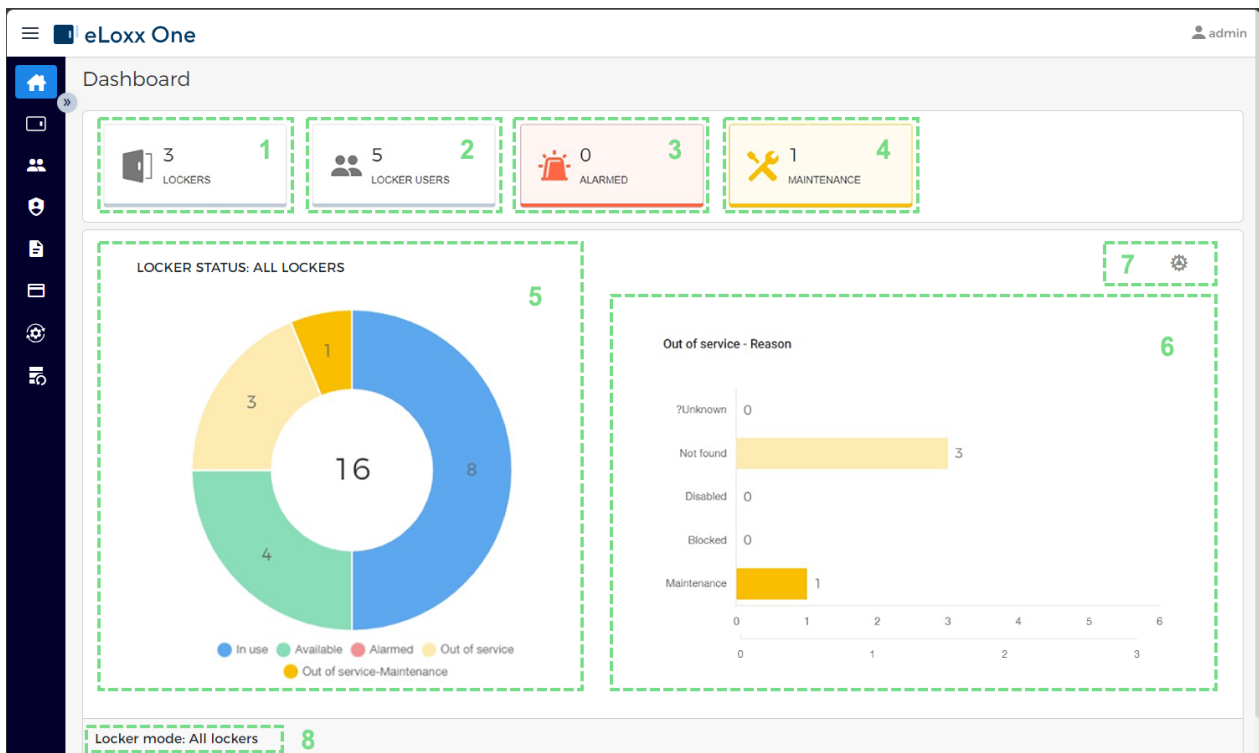
3. Main window

This area displays different information depending on which page is selected via the menu bar. The pages are described in the following chapters.

4.3. Dashboard



The dashboard displays an overview of the locker system.



1. Number of lockers

The total number of lockers defined in the system for the selected locker mode (see point 8). Clicking on this icon displays the **Locker view** page.

2. Locker users

The total number of locker users that have been added to the system, i.e., how many people are authorized to use the lockers. Clicking on this icon displays the **Locker users** page.

3. Alarmed lockers

Displays how many lockers currently have an active alarm that has not yet been acknowledged. Click on this icon to open the **Locker view** page where all lockers with an active alarm are displayed. Here you can deactivate the alarm and enable the locker via the **Actions** menu (see "[Displaying locker information \[36\]](#)").

4. Lockers in maintenance mode

Number of lockers that are currently in maintenance mode (not usable). Lockers can be deactivated, e.g., for service purposes. If you click on this icon, all lockers in maintenance mode are displayed via the **Locker view** page.

5. Status overview

This diagram displays the number of locker statuses at the current time:

- Green: Unoccupied free lockers as well as personal lockers without a locker authorization.
- Blue: Occupied free lockers as well as personal lockers with a locker authorization.
- Red: Lockers with an active alarm.
- Yellow: Lockers that are currently out of service, e.g., in case of communication interruptions, or deactivated lockers.
- Orange: Lockers in maintenance mode.

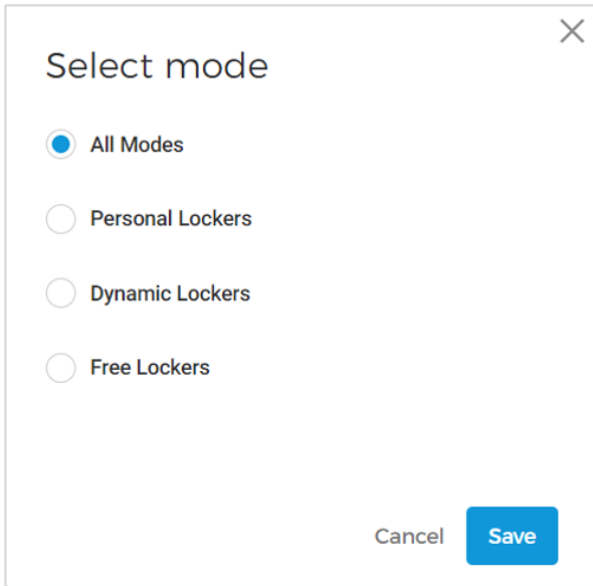
The number in the middle is the total number of available lockers (=all lockers). By clicking on a segment in the diagram, you can directly display the relevant lockers via the **Locker view** page.

6. Unusable lockers

Here you can see the lockers that are currently out of service and the reasons for this. Possible reasons are that lockers have been manually deactivated, are blocked, or are in maintenance mode. If the connection is interrupted, these are displayed as **Unknown**.

7. Locker mode selection

A locker mode can be selected here to display only those lockers operating in a specific mode on the dashboard. If you select, e.g., **Free Lockers**, only those lockers operating in free locker mode are displayed in the **LOCKER STATUS** area (5) and the **Out of service** area (6). To display all lockers, select **All Modes**.

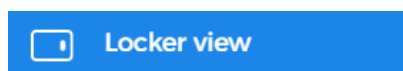


A dialog box titled "Select mode" with a close button (X) in the top right corner. It contains four radio button options: "All Modes" (selected), "Personal Lockers", "Dynamic Lockers", and "Free Lockers". At the bottom right, there are two buttons: "Cancel" and "Save".

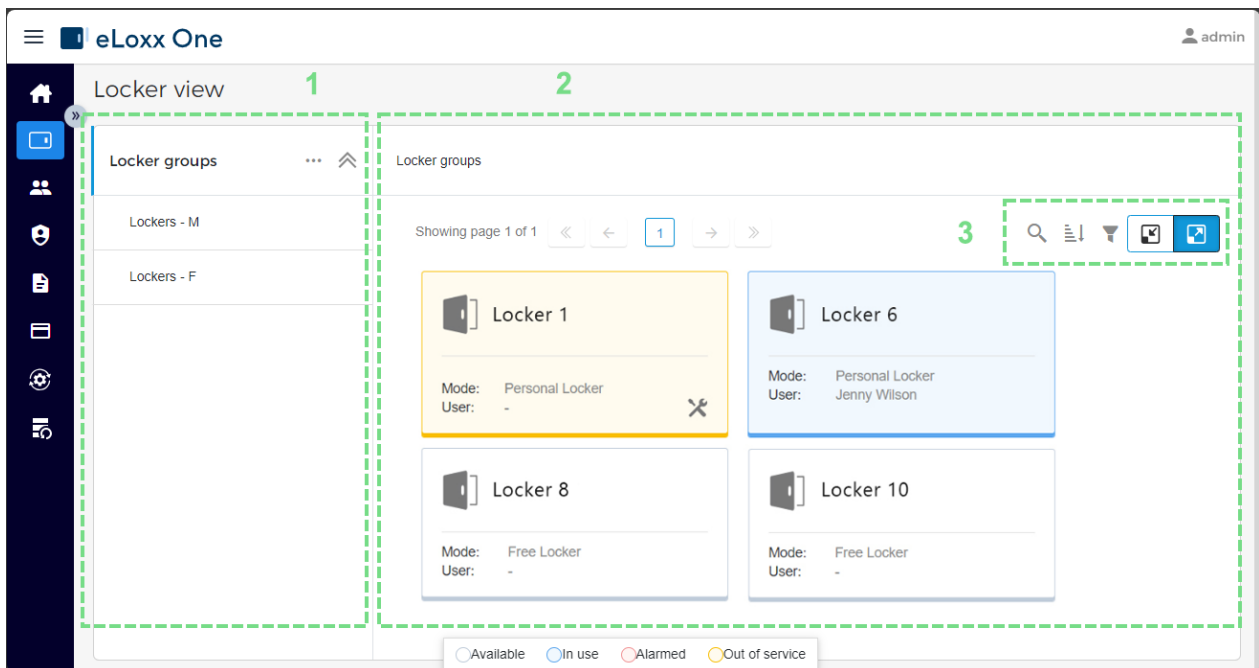
8. Locker mode display

Here you can see the locker mode selected under (7). Only lockers with this mode are displayed in the statistics. **All lockers** means that all locker modes are displayed.

4.4. Locker view



On the **Locker view** page, each locker in the system and its current status are displayed, and certain locker actions can also be executed.



1. Locker groups, areas

All lockers in a system are assigned to locker groups and subgroups in eLoxx One. The groups are shown in the directory tree on the left. Click on a locker group to display the assigned lockers. When you click on a locker group that has subgroups assigned to it, the lockers of the subordinate groups are also displayed.

2. Lockers

All lockers of the selected locker group are displayed here. The locker mode is displayed for each locker (see [“What is the difference between the locker modes? \[34\]”](#) for more information).

The door status of each locker is indicated via an icon in the locker field:

... Locker is open.

... Locker is closed.

... Locker is locked.

... Status unknown.

In addition, the locker status is displayed in color (also refer to the legend at the bottom of the window).

... Locker is available and can be used.

... Locker is in use.

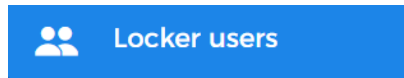
... An alarm has been triggered at the locker.

... The locker is not in operation (e.g., maintenance).

3. Search / Sort / Filter:

These options allow you to search the list for locker numbers , sort the list in ascending or descending order , or set a filter or filters to display only specific lockers, e.g., available lockers .

4.5. Locker users



Here you can manage the users of the locker system by entering their data, assigning data carriers to the users, and defining which lockers or locker groups they are authorized to use. The following is possible:

- Lockers operating in **free locker mode** can be assigned to authorization groups with individual locker users assigned for specific authorization groups. This ensures that the locker users are only able to use the lockers of their respective groups.
- Lockers operating in **personal locker mode** can be assigned to one or more users so that only those authorized users are able to lock and unlock a specific locker. Locker users can only use the locker to which they are assigned.



NOTICE

More information regarding the various locker modes is available in chapter [What is the difference between the locker modes? \[34\]](#).

The screenshot shows the 'Locker users' management interface in eLoxx One. At the top, there are buttons for 'Export locker users', 'Import locker users', and 'Add locker user' (labeled 1 and 2). Below these is a table of users (labeled 3). The table has columns: NAME, FIRST NAME, DATA CARRIER UID, LOCKERS IN USE, STATUS, and IMPORTED. The users listed are Daboir, Korn, Mailer, Müller, and Smith. The 'STATUS' column shows 'ACTIVE' for all users. The 'IMPORTED' column shows checkmarks for Mailer, Müller, and Smith. The 'LOCKERS IN USE' column shows 'GC7_2039030053, 6' for Mailer. The interface is annotated with numbers 1 through 8.

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailer	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓

1. Export/Import locker users

These buttons allow you to export the locker user data to a CSV file or to import locker users to the eLoxx One database via CSV file. For instructions on this process, see [Adding Locker users via CSV file \[45\]](#).

2. Add locker user

Click on this button to add a new locker user to the system. For instructions on this process, see [Adding locker user manually \[50\]](#).

3. Name of the locker user

The names of all defined locker users are listed here. By clicking on the name of a locker user, the user information page opens where you can, e.g., assign data carriers and lockers to the user.

4. Data Carrier UUIDs

The UUID number of the data carrier(s) currently assigned to the user are shown in this column.

5. Lockers in use

The locker(s) currently being used by the user are displayed here. Click on the locker to open the **Locker view** page with filters automatically set for the respective user (see chapter [Locker view \[25\]](#)).

6. Status

Here you can see at a glance whether the user is allowed (**ACTIVE**) or not allowed (**INACTIVE**) to use the locker system.

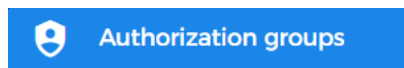
7. Imported

A green tick in this column indicates, that the locker user was imported via CSV file.

8. Delete user

Click on the trash can icon to delete the user from the system. All previously configured data is deleted after completing this action.

4.6. Authorization groups



All locker users must be assigned to an authorization group (or also to several authorization groups) in order to use the lockers in the system. Authorization groups are created in eLoxx One to control how many lockers and in which locker groups a member of the authorization group can use. Using a locker in this context means:

- the locking of a free locker by a locker user,
- the assignment of a personal locker to a user.

A locker user can be assigned to multiple authorization groups. When a locker user tries to lock a free locker, or when an operator assigns a personal locker to a locker user, eLoxx One checks whether the user is assigned to any authorization groups before denying or granting the request.

NAME	PERSONAL LOCKERS	DYNAMIC LOCKERS	FREE LOCKERS	DEFAULT GROUP	DEVICEWIDE	
Locker room - F	Unlimited	Unlimited	4	DEFAULT GROUP	DEVICEWIDE	...
This group provides access to all locker groups of the device.						
Locker room - M	5	Unlimited	10			

LOCKER GROUPS	PERSONAL LOCKERS	DYNAMIC LOCKERS	FREE LOCKERS
Lockers - M	0	Unlimited	0

1. Create

Click on this button to create a new authorization group. For instructions on this process, see “[Defining authorization groups for locker users \[58\]](#)”.

2. Show Locker Groups

A click on this arrow symbol at an authorization group shows a quick info about the assigned locker groups and number of usable lockers, See also “[Defining authorization groups for locker users \[58\]](#)”.

3. Name of the group

The names of all defined authorization groups are listed here. By clicking on the name of a group, the group information page opens where you can, e.g., edit the group details and assign locker users to the group, etc.

4. Number of lockers

The maximum number of lockers for each locker mode that the users of the authorization group are allowed to use are shown here.

5. Default group

When an authorization group is set as a default group, every new user will automatically be assigned to this authorization group.

6. Device wide

When an authorization group is set as a device-wide group, all locker groups controlled by the GC7 controller can be accessed.

7. Edit/Delete

Click on the settings icon of the respective group to edit or delete the group.

4.7. Logs



All events that occur in the locker system, e.g., locker openings and closings, maintenance periods, alarms, etc., are logged by eLoxx One and are available to view here on the **Logs** page.

The screenshot shows the eLoxx One Logs page. The top bar includes the eLoxx One logo and the user 'admin'. The left sidebar contains navigation icons. The main content area is titled 'Logs' and features a filter bar with options: 'Reset Filters', 'Time filter', 'Select a locker user', 'Select a locker', 'Select a locker group', and 'Select an event'. Below the filter bar, the table shows 6 rows of data. The table columns are: TIMESTAMP, ACTION TYPE, LOCKER GROUP, LOCKER USER, and DATA CARRIER. The table is filtered to show page 1 of 516. The table contains 6 rows of data.

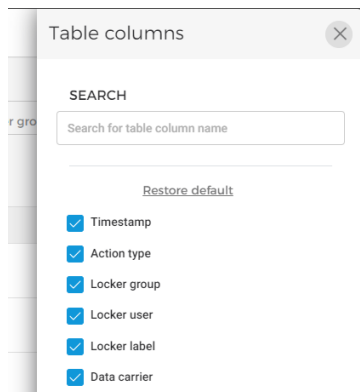
TIMESTAMP	ACTION TYPE	LOCKER GROUP	LOCKER USER	DATA CARRIER
23.09.2024 17:14:07	unconfigure locker	Female lockers	Jenny Wilson	1154955408531842
23.09.2024 17:13:54	unconfigure locker	Female lockers	John Smith	1549554085318
23.09.2024 16:23:23	new device			
23.09.2024 16:23:23	new device			
08.08.2024 14:09:44	new device			
08.08.2024 14:09:44	new device			

1. Table filters

By clicking on one of these fields, you can filter the log entries based on specific criteria, e.g., events that occurred within a specific time frame or events logged for a specific user. Only those entries that meet the filter criteria are displayed.

2. Table columns

Here you can define the columns of the table. A menu opens where you can add or delete the desired columns:



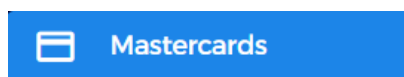
3. Log tables

The desired page of the log can be selected here.

4. Pages

All log entries that match the default filter criteria are displayed here. With the arrow symbol on the left of the table a detailed view of each log entry can be displayed.

4.8. Master cards



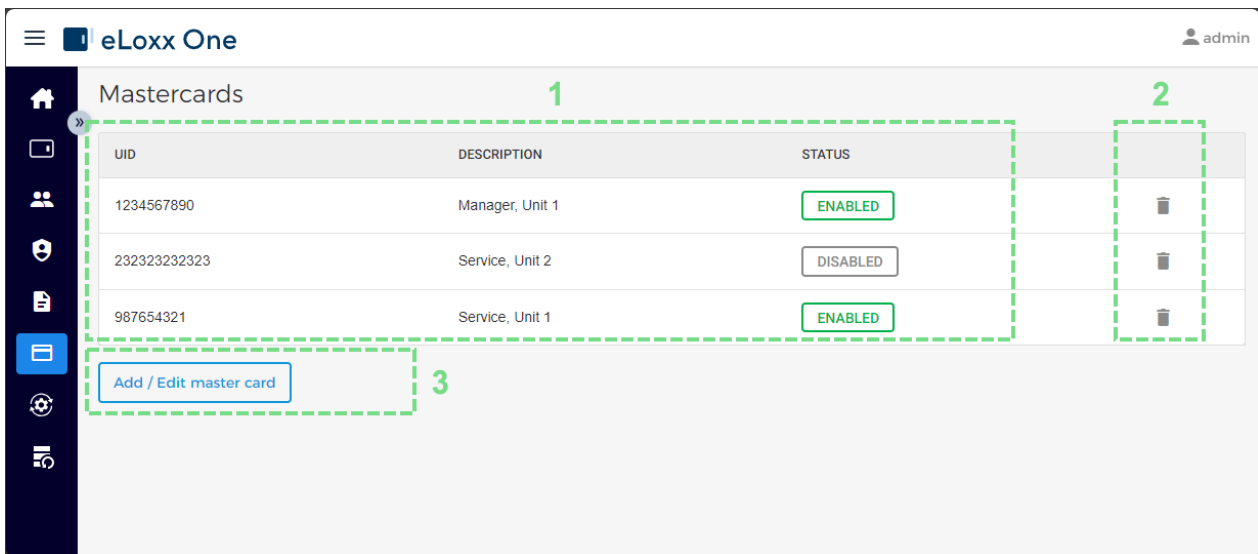
Master cards are special system data carriers with extended rights (master key function). They can be used, e.g., for service purposes or to unlock a locker where the user data carrier that locked the locker has been lost.



CAUTION

Special care must be taken with master cards. Keep them in a secure place protected from unauthorized access.

On this page, the master cards that are to be used in the system can be added, edited, and deleted. You can also disable a master card, e.g., if a master card has been lost or is no longer to be used. Multiple master cards can be added on this page but only max. 10 master cards can be active at the same time.



1. Available master cards

The UID number (in decimal format), a description, and the status of all defined master cards are displayed here.

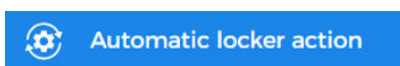
2. Delete master cards

Click on the trash can icon to delete a master card from the system. All previously configured data is deleted after completing this action.

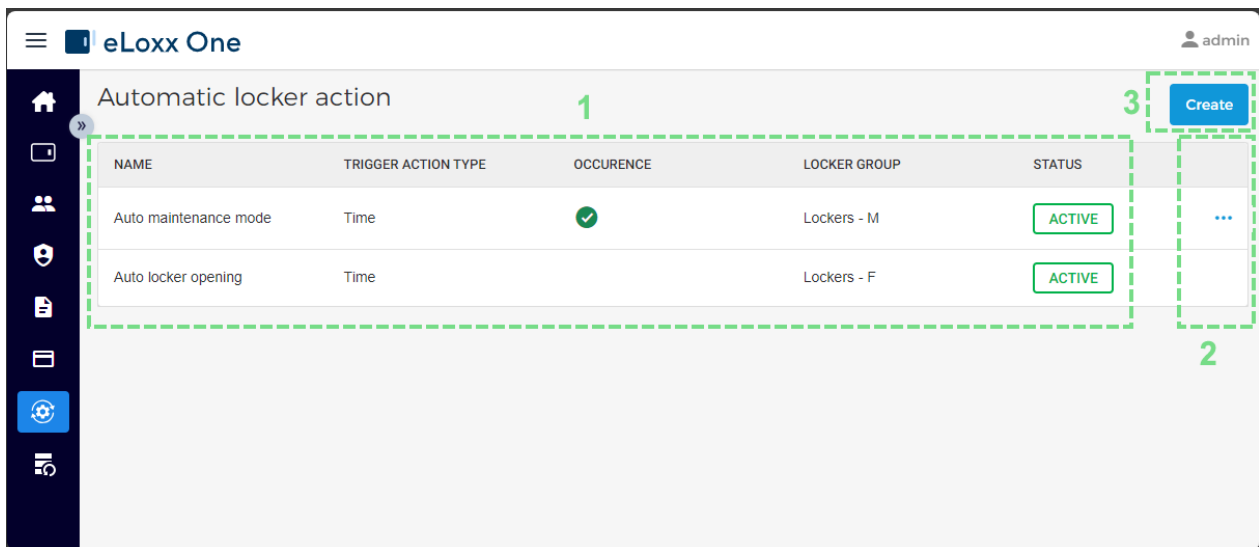
3. Add / Edit master card

Click on this button to add new master cards or to edit the existing master cards. See chapter [Adding and deleting master cards \[44\]](#) for instructions on this process.

4.9. Automatic locker action



Automatic actions, e.g., the automatic activation of deactivation of maintenance mode or the automatic opening of lockers at a specific time, can be created for the locker system on the **Automatic locker action** page.



The following areas and functions are available in this menu:

1. **Locker actions**

All created automatic locker actions and their status are displayed here on the main page.

2. **Edit / deactivate / delete action**

Click on the settings icon of the respective action to edit, deactivate, or delete the action.

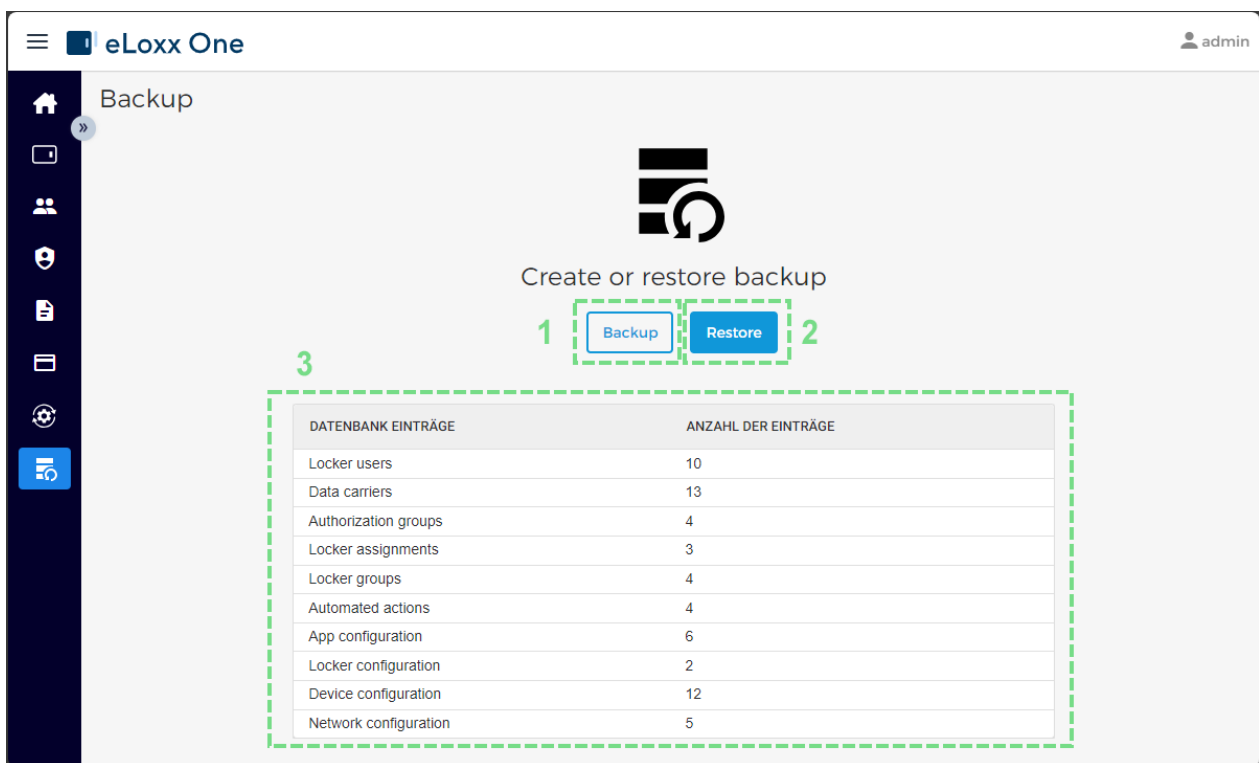
3. **Create automatic action**

Click on this button to define a new automatic locker action. See chapter [Creating an automatic locker action \[42\]](#) for instructions on this process.

4.10. Backup and restore data



On the **Backup** page, it is possible to make a backup of all data in the eLoxx One database or to load a previous backup and thus restore the old data.



Here the following elements are shown.

1. **Backup**

This will automatically start the backup of the data base. A ZIP file with the database entries will be downloaded into your standard download folder (see "[Backup the eLoxx One database \[67\]](#)" for more information).

2. **Restore**

This will start the restore process of a previously saved backup. Pressing this button opens the **Restore** window where you can define the restore process. See [Restore eLoxx One database with a previously saved backup \[68\]](#) for more information on this process.

3. **Record Count**

This shows the number of database entries for each data category (number of locker users in eLoxx One, number of locker groups, etc.).

5. APPLICATIONS

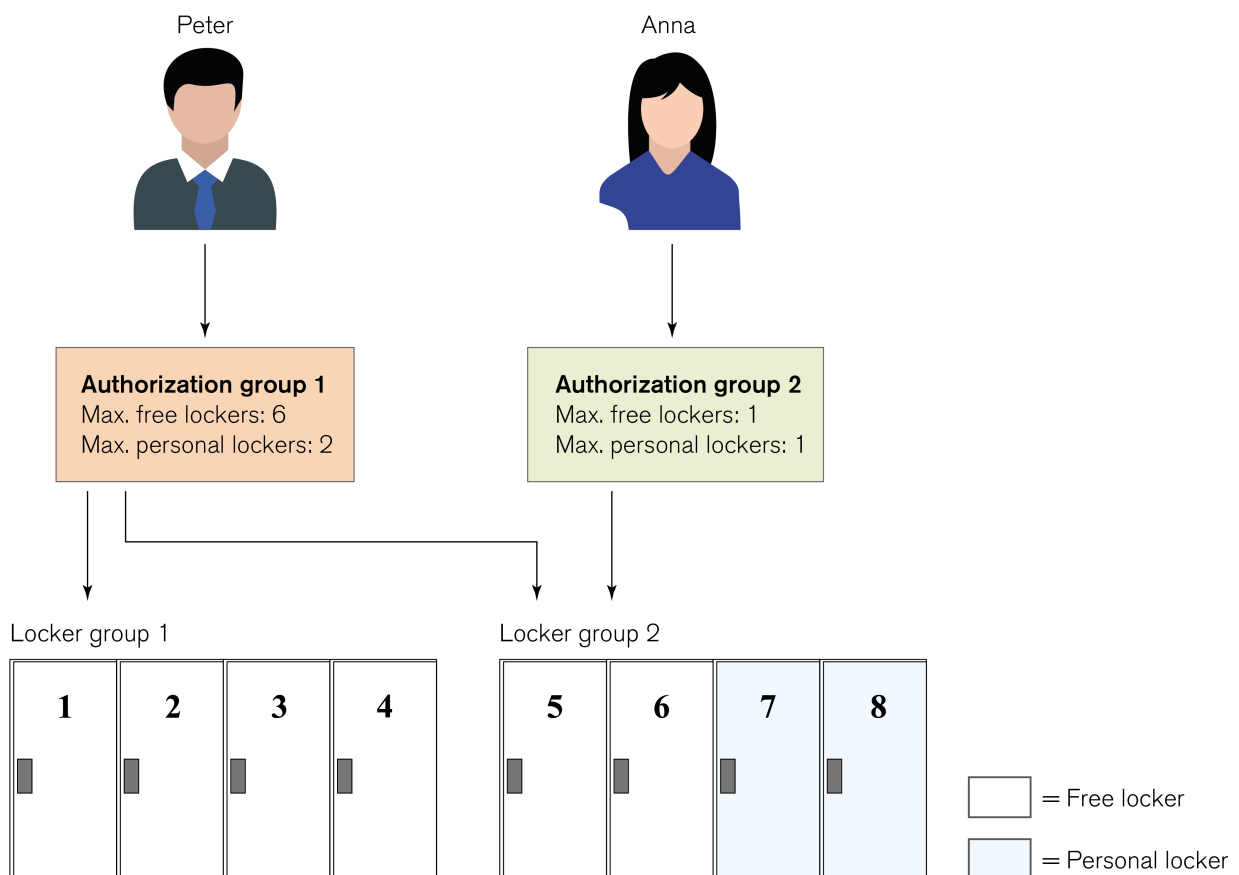
In this section you will find the information and instructions required to operate your locker system using the various configuration pages of eLoxx One as described in chapter [User Interface \[21\]](#).

5.1. What is the difference between the locker modes?

Free locker

Locker users can only access free lockers if they are member of an authorization group that grants access to the locker group that contains this locker.

Figure 2. Example of free locker usage



In the example system shown in the image above two groups of lockers exist in the system. Lockers 1 to 4 are in the locker group 1 and lockers 5 to 8 are in the locker group 2. Furthermore, lockers 1 to 6 are free lockers and lockers 7 and 8 are personal lockers. Peter is a member of authorization group 1, which grants access to both locker groups. Peter can therefore use all free lockers 1 to 6. As a member of authorization group 2, Anna may use the free lockers in locker group 2, but not the lockers in locker group 1.

The maximum number of lockers that Peter and Anna may occupy at any one time depends upon the limits set for each locker mode in the authorization group. As defined by the **max. free lockers** setting (in this example 6) for authorization group 1, Peter can lock all six free lockers simultaneously provided that they are not already occupied. If he does this and Anna wants to use a free locker in locker group 2, she must wait until Peter unlocks locker 5 or 6 before she can do so.

Personal locker

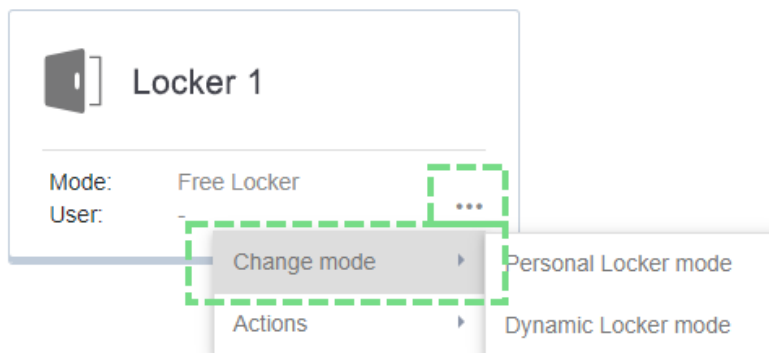
A locker in this mode can only be used by the locker users that are specifically assigned to the locker. A validity period for locker use can also be defined for the locker. Multiple users can be assigned to a personal locker, e.g., in the example system shown in the figure above, personal locker 8 has been designated as a group locker that Peter and Anna are both assigned to use. They may both lock and unlock the locker repeatedly at any time. Peter has been also assigned to use personal locker 7 so only he may lock and unlock this locker.

Dynamic locker

A locker in this mode operates in the same way as a free locker as long as it remains unoccupied. As soon as a locker user locks a dynamic locker, the locker is then automatically assigned to that locker user. From this point on, the locker operates as a personal locker for the locker user. Several dynamic lockers can also be used by the same locker user according to the limits set in the authorization group.

5.1.1. Configuring the locker mode

1. Locate the locker on the **Locker view** page.
2. Click on the settings icon of the respective locker and select the desired locker mode from the **Change mode** menu.



↪ The new locker mode is displayed on the **Locker view** page.

5.2. What is the difference between open, closed, locked, and unknown?

These terms refer to the **door status** of each locker, which is indicated via an icon in the locker field on the **Locker view** page:

- ... Locker is open
- ... Locker is closed
- ... Locker is locked
- ... Status unknown

An open locker is one where the locker door is open. The locker may be used (locked) by any locker user who is authorized to use the locker.

Closed means that the locker door has been pushed shut and is being held shut by the lock. This can be achieved, e.g., by the **auto close free locker** function that ensures the doors of the unoccupied free lockers are always closed.

However, the door is not locked in this state and can be opened by any user by pressing the locker door in. The LED of the lock is green by default in this state.

Locked means that a data carrier has been used to activate the electronic lock and lock the locker door. It can only be opened again using a data carrier authorized for the locker or by a MASTER data carrier.

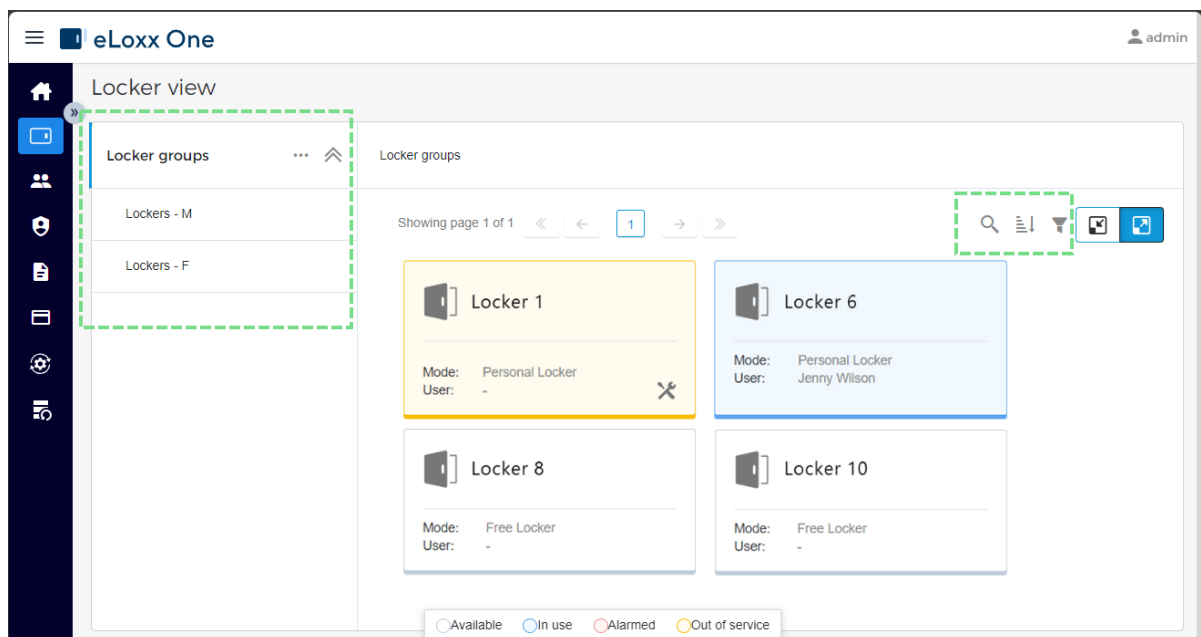
If the **push-to-open** function is enabled for a locker mode, a locked locker will initially change to the closed state after being opened remotely in eLoxx One, i.e., it is no longer locked but held shut in the closed state. After another remote opening in eLoxx One, the door springs open.

A locker that is displayed with the status **unknown** means that the lock is not communicating to the controller anymore and thus the door status (open, closed, locked) is unknown.

5.3. How can I find a specific locker?

All lockers in the system are displayed and managed on the **Locker view** page, which is accessed via the menu sidebar.

1. Open the **Locker view** page.
2. If you know the locker group that the desired locker is assigned to, click on the group in the structure tree on the left.

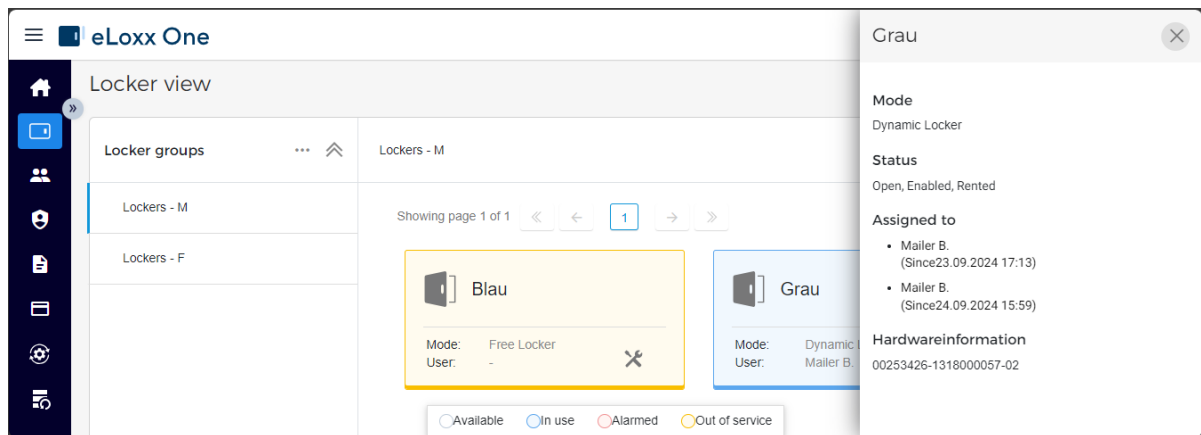


3. The lockers are sorted by locker number. By clicking on the icon, you can reverse the order (highest locker number first).
4. If you do not know the locker group to which the locker belongs, select an area where the locker is probably located or select the **Locker groups** entry at the top of the structure tree and then click on the search icon and enter the desired locker number.

5.4. Displaying locker information

1. Locate the locker on the **Locker view** page.
2. Click on the locker.

↪ The locker information area with details including the locker number, locker mode, and who the locker is assigned to is displayed on the right.



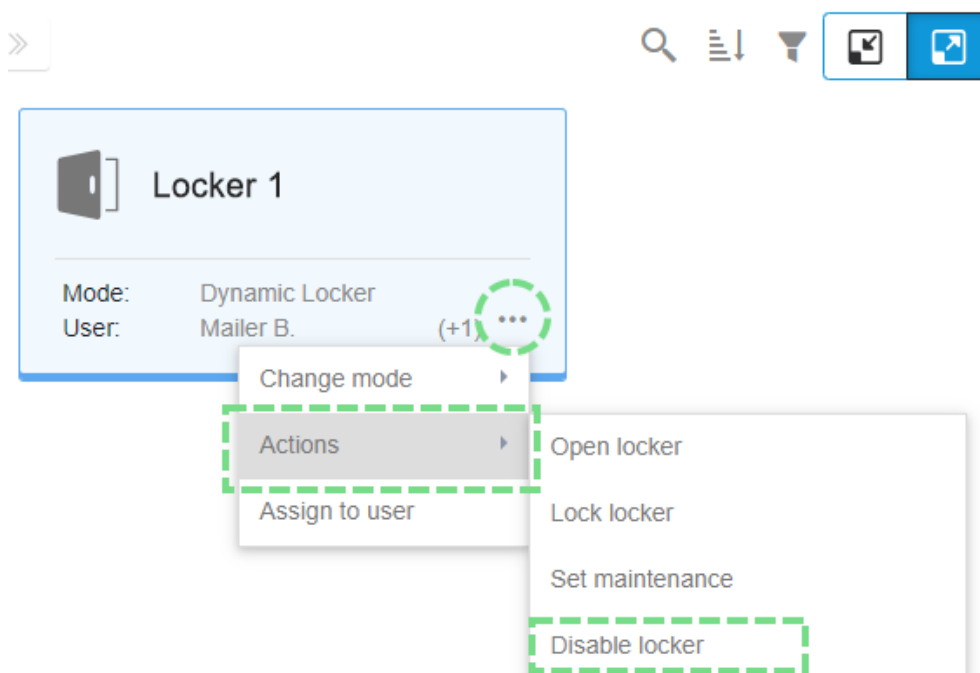
5.5. Disabling and enabling lockers



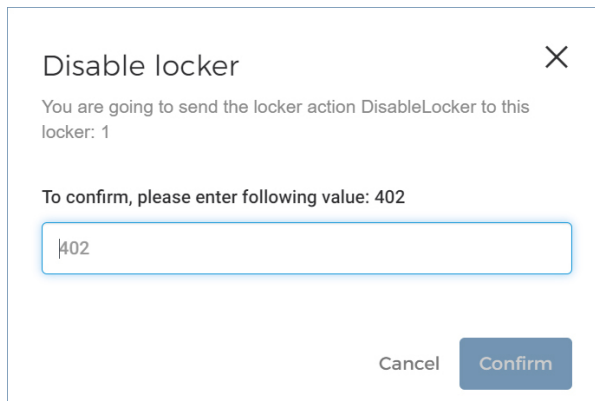
NOTICE

These actions can also be scheduled to occur automatically. See "[Creating an automatic locker action \[42\]](#)" for instructions.

1. Locate the locker on the **Locker view** page.
2. Click on the settings icon of the respective locker and select **Disable locker** from the **Actions** menu.



↪ The confirmation window opens.



3. Enter the displayed code number to complete the action.

↪ The locker is disabled and displayed in orange to indicate out of service. It can no longer be used until it is reactivated.

4. To enable a disabled locker, follow the same instructions as described for disabling it. Instead of **Disable Locker**, the **Enable Locker** function is displayed.



NOTICE

Enabling a locker may also be necessary after an alarm. After acknowledging a locker alarm, it is deactivated and must be reactivated before it can be used again.

5.6. Using maintenance mode

Maintenance mode can be used to temporarily disable a locker so that it cannot be used. This can be useful, e.g., if the locker must be cleaned before it is used again or if a technical check is required.

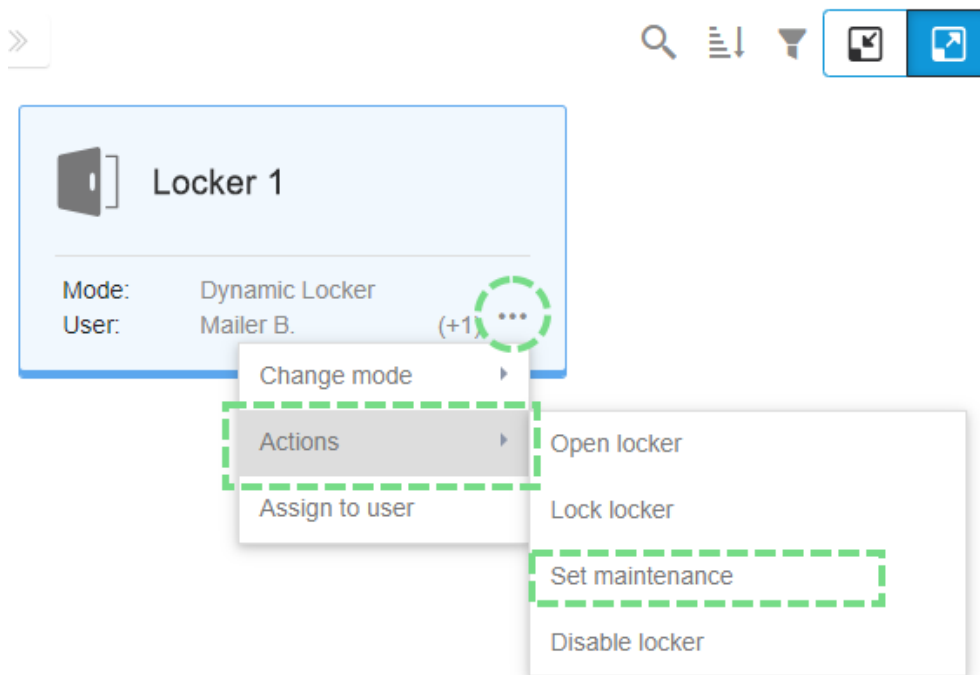


NOTICE

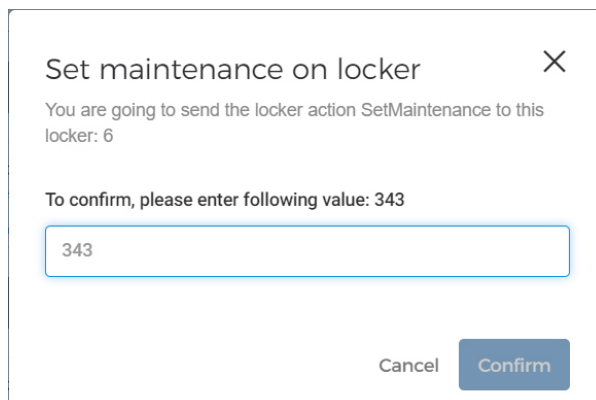
You can also schedule maintenance mode to be enabled or disabled automatically. See "[Creating an automatic locker action \[42\]](#)" for instructions.

Enabling maintenance mode

1. Locate the locker on the **Locker view** page.
2. Click on the settings icon of the respective locker and select **Set maintenance** from the **Actions** menu.



↪ The confirmation window opens.

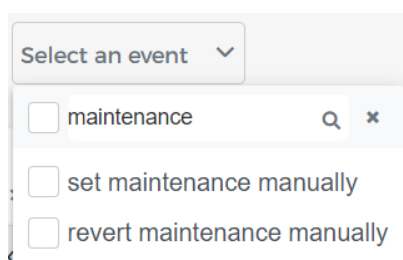


3. Enter the displayed code number to complete the action.

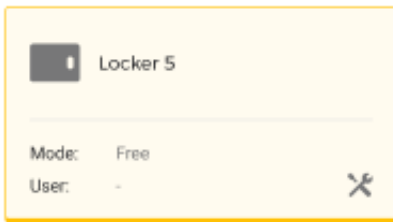
↪ The locker is disabled and set to maintenance mode.

Indication of maintenance mode

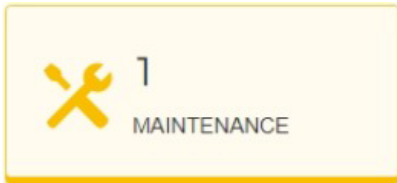
1. Lockers in maintenance mode are displayed in eLoxx One in different ways. The possibilities are ...



on the **Logs** page by selecting a maintenance event.



on the **Locker view** page via an icon at the bottom right.

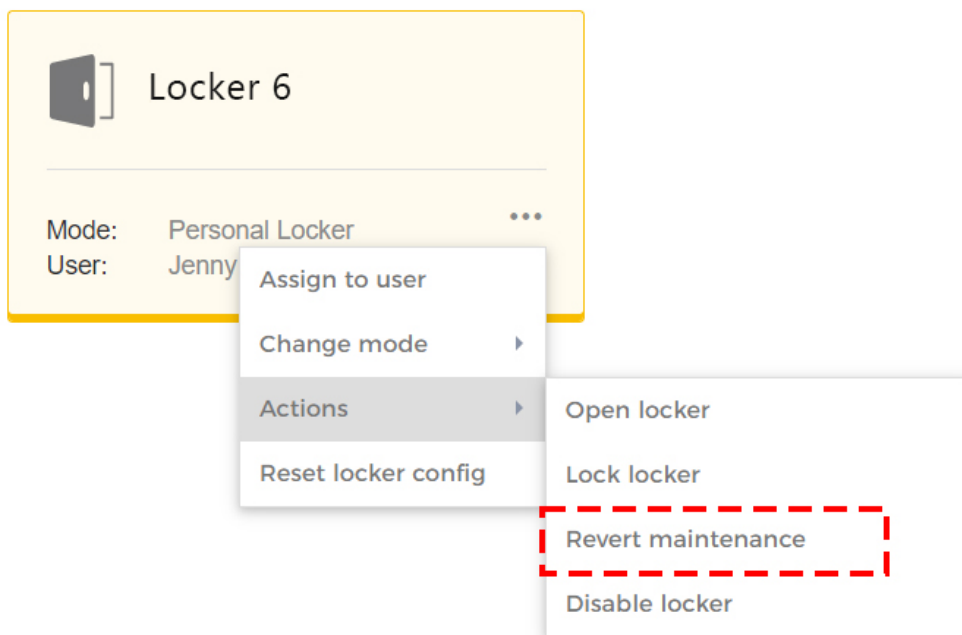


on the **Dashboard** page via this field.

- The maintenance staff can then check and clean the locker and prepare it for further use.

Disabling maintenance mode

- Click on the settings icon of the respective locker and select **Revert maintenance** from the **Actions** menu.



- Enter the displayed code number into the confirmation window to complete the action.
↪ The locker is reset to its previous operating mode.

5.7. Opening a Locker

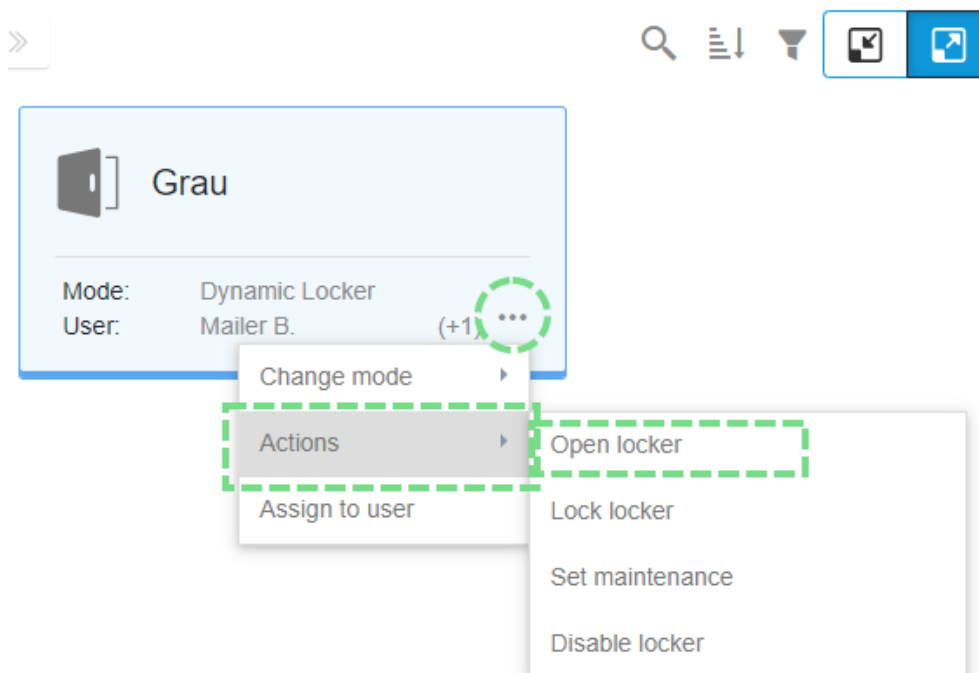
You can open a locker remotely using eLoxx One. All locker actions, including the remote opening of lockers, are recorded and available to view on the **Logs** page (see chapter “[Logs \[29\]](#)”).



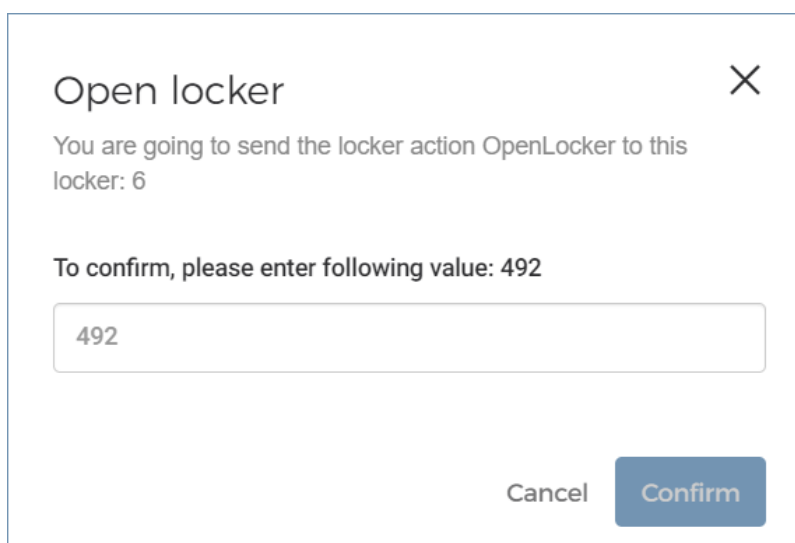
NOTICE

You can also schedule the lockers to open automatically. See "[Creating an automatic locker action \[42\]](#)" for instructions.

1. Locate the locker on the **Locker view** page.
2. Click on the settings icon (...) of the respective locker and select **Open locker** from the **Actions** menu.



↪ The confirmation window opens.



3. Enter the displayed code number and click on **Confirm** to complete the action.

↪ The locker is opened.



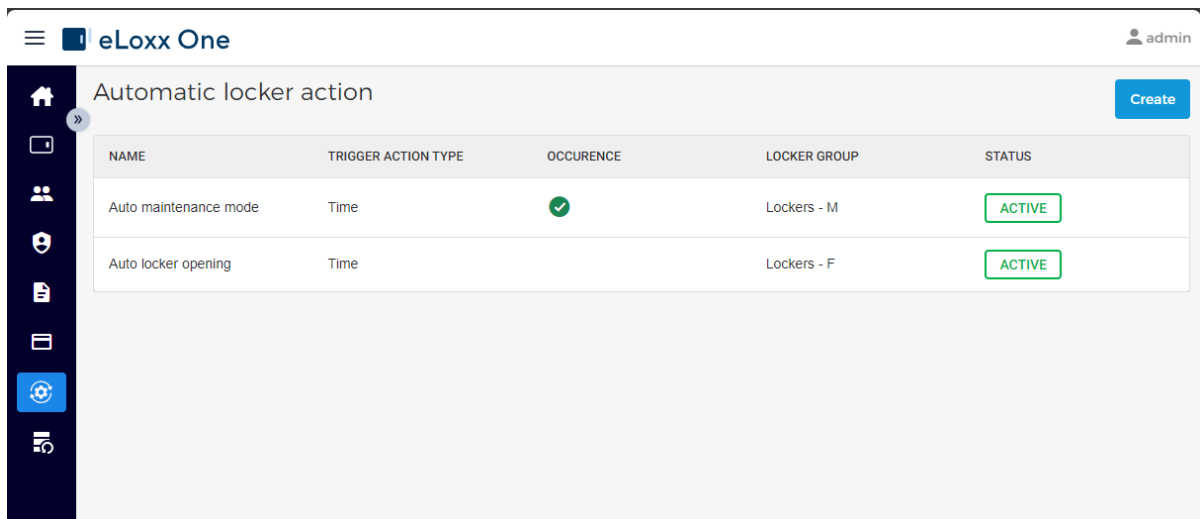
CAUTION

Before opening, confirm the identity of the user for whom you are opening the locker. The user should be at the locker before the open command is executed as the locker door is immediately unlocked and can be opened by any person after execution.

5.8. Creating an automatic locker action

1. Open the **Automatic locker action** page.

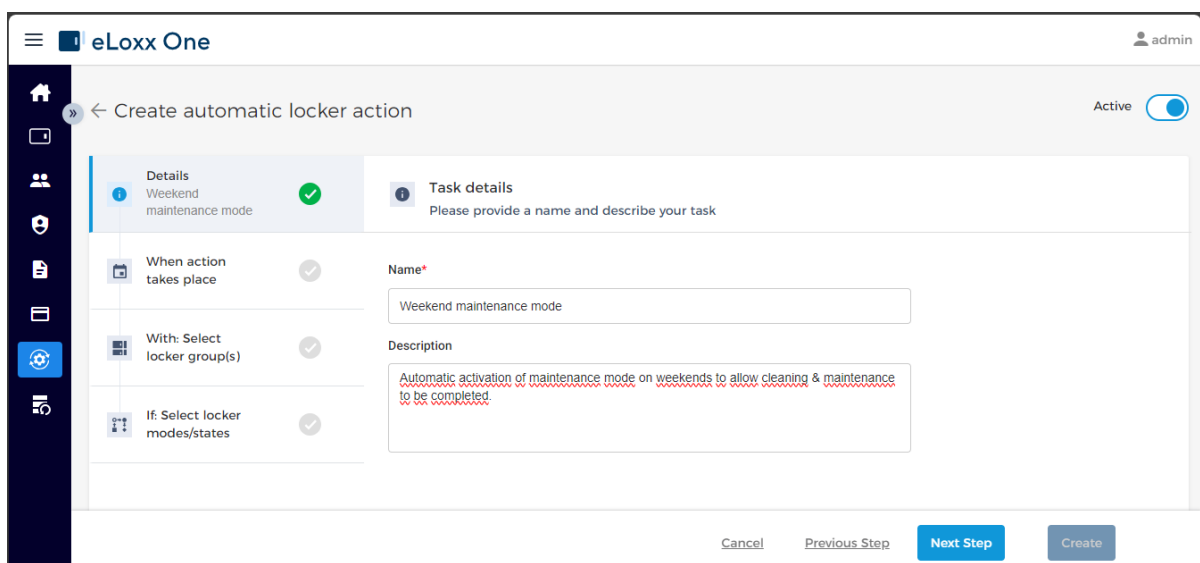
↪ All defined locker actions are displayed.



NAME	TRIGGER ACTION TYPE	OCCURENCE	LOCKER GROUP	STATUS
Auto maintenance mode	Time	✓	Lockers - M	ACTIVE
Auto locker opening	Time		Lockers - F	ACTIVE

2. Click on **Create** in the top right corner of the window.

↪ The following window is displayed.



3. Enter a name for the action (this is shown on the main page) and a description (if desired).

4. Click on **Next Step**.

↪ The window for step 2 is displayed.

5. Enter the dates and times when the action is to start and end.

6. If you want the automatic action to be repeated at regular intervals, set the desired interval in the **Occurrence** field.

7. At the bottom of the window, select the type of automatic action to carry out at the defined time.

8. Click on **Next Step**.

↪ The window for step 3 is displayed.

9. Select the locker group(s) for which the action will be carried out. If **Devicewise** is selected, the action, e.g., the activation of maintenance mode, will be carried out for all lockers in the system at the defined time. Alternatively, the individual locker group(s) can be selected below. Select the **Subgroups included** option to include all subgroups of the locker group in the action.

10. Click on **Next Step**.

↪ The window for the final step is displayed.

The screenshot shows the 'Create automatic locker action' configuration window in the eLoxx One application. The window is titled 'eLoxx One' and 'admin' is logged in. The main content area is divided into two columns. The left column contains a list of configuration steps, each with a green checkmark indicating it is completed: 'Details' (Weekend maintenance mode), 'When action takes place' (From 26.09.2024 15:35 Weekly), 'With: Select locker group(s)' (Lockers - M), and 'If: Select locker modes/states' (Dynamic Lockers). The right column is titled 'On which condition should an action get started' and contains a section for 'Locker modes*' with three radio buttons: 'Personal Lockers' (unchecked), 'Dynamic Lockers' (checked), and 'Free Lockers' (unchecked). Below this is a table with three columns: 'Yes', 'No', and 'Both'. The table contains four rows of conditions: 'Locker alarmed', 'Locker disabled', 'Locker in use', and 'Locker in maintenance'. The 'Both' column has blue dots in all four rows. At the bottom of the window, there are buttons for 'Cancel', 'Previous Step', 'Next Step', and 'Create'.

11. Select at least one locker mode for which the action will be carried out. The action will be executed for all lockers of the selected locker group(s) that are operating in the selected mode(s).

12. If necessary, define the condition(s) for activation of the locker action below. The default setting of **Both** for a condition means that the condition will be ignored.

13. Once all the settings are configured, click on **Create** to complete the process.

5.9. Adding and deleting master cards

1. Open the **Mastercards** page.

↪ All defined master cards are displayed.

The screenshot shows the 'Mastercards' page in the eLoxx One application. The page is titled 'eLoxx One' and 'admin' is logged in. The main content area is titled 'Mastercards' and contains a table with three columns: 'UID', 'DESCRIPTION', and 'STATUS'. There are three rows of master cards. Below the table is a button labeled 'Add / Edit master card'.

UID	DESCRIPTION	STATUS
1234567890	Manager, Unit 1	ENABLED
232323232323	Service, Unit 2	DISABLED
987654321	Service, Unit 1	ENABLED

2. Click on the **Add / Edit master card** button.

↪ The following window is displayed.

Edit master card

Enter the master card UIDs in the following form. No more than 10 cards can be enabled at the same time!

	UID	DESCRIPTION	ENABLED	
1	<input type="text" value="1225235"/>	<input type="text" value="Master card 2"/>	☒	
2	<input type="text" value="367876867"/>	<input type="text" value="Master card 4"/>	☒	
3	<input type="text" value="23451235"/>	<input type="text" value="Master card 1"/>	☐	
4	<input type="text" value="2142344"/>	<input type="text" value="Master card 3"/>	☒	
5	<input type="text" value="Scan your ca"/>	<input type="text" value="Eg. building 1"/>	☐	

- Enter the UID number (in decimal format) of the master cards and a description (if desired) for each card into the respective fields.

Note: The UID number can be copied from the **Logs** page if the data carrier was previously read.

- Enable or disable the master cards for use via the **ENABLED** switch.

Note: No more than 10 master cards can be enabled at the same time! You can however add more than 10 card numbers via the **Add master card** button.

- To delete a master card, click on the trash can icon.
- Click on **Save** to finalize the master card information.

5.10. Adding Locker users via CSV file

New locker users are added to the system and managed via the **Locker users** page. Here you can select to manually enter the details for a single user or to import the data of multiple users via CSV file.

- Open the **Locker users** page.

↪ If no lockers users have been added yet, the following screen is displayed.

eLoxx One

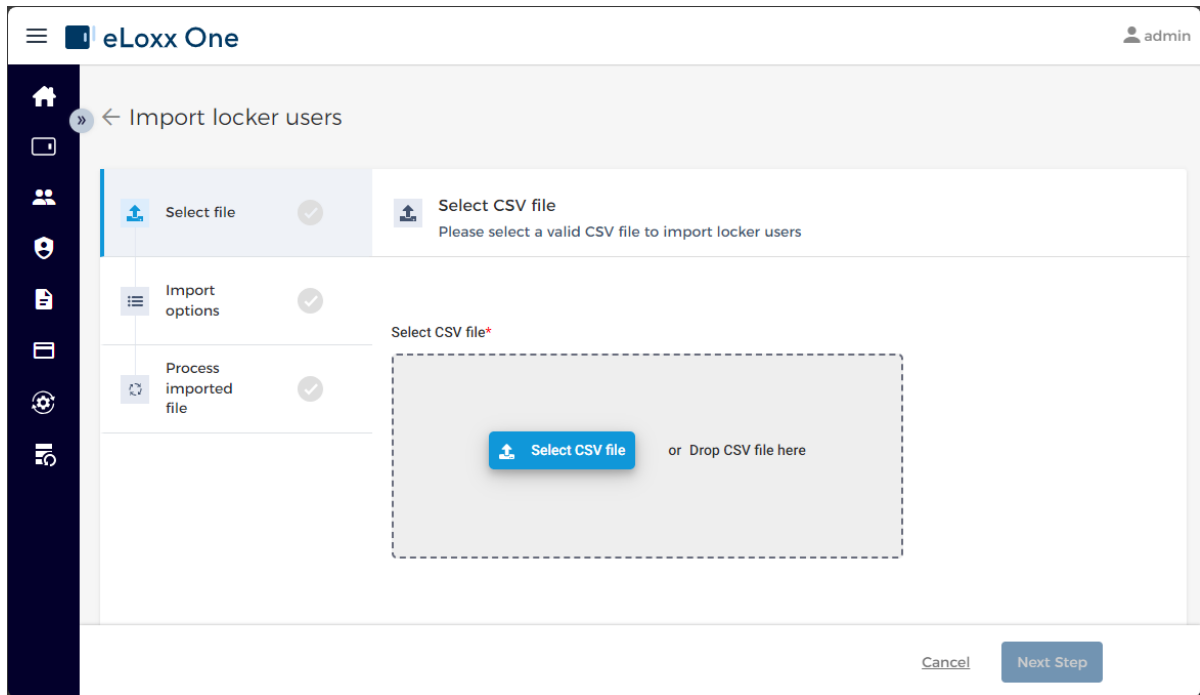
admin

Locker users 0

No Users to show
Looks like no users are added yet!

2. To add a single locker user, click on **Add locker user**. See chapter "[Adding locker user manually \[50\]](#)" for instructions.
3. To add multiple locker users via CSV file, click on **Import locker users**.

↪ The window for step 1 is displayed.



4. Add a valid CSV file via drag and drop or via File Explorer by clicking on **Select CSV file**. A valid CSV file is indicated by a green tick symbol next to step 1 after uploading.

NOTE! Requirements for the CSV file:

An example of the data columns and data that the CSV file may contain is as follows:

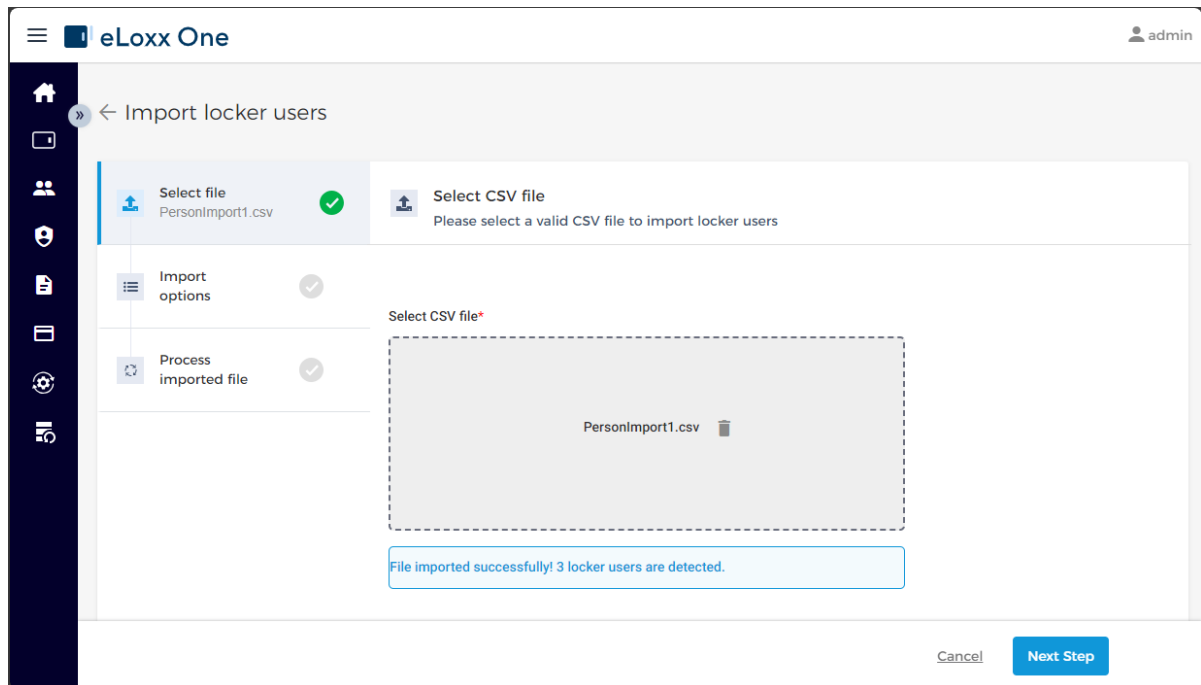
UserID	Name	FirstName	IsEnabled	Comment	CardUID	...
1	Smith	John	true	VIP	12345678	...

...	ValidFrom	ValidUntil	Description	LockerGroup	Locker	AuthorizationGroup
...			CEO	Building 1	78	Group 1

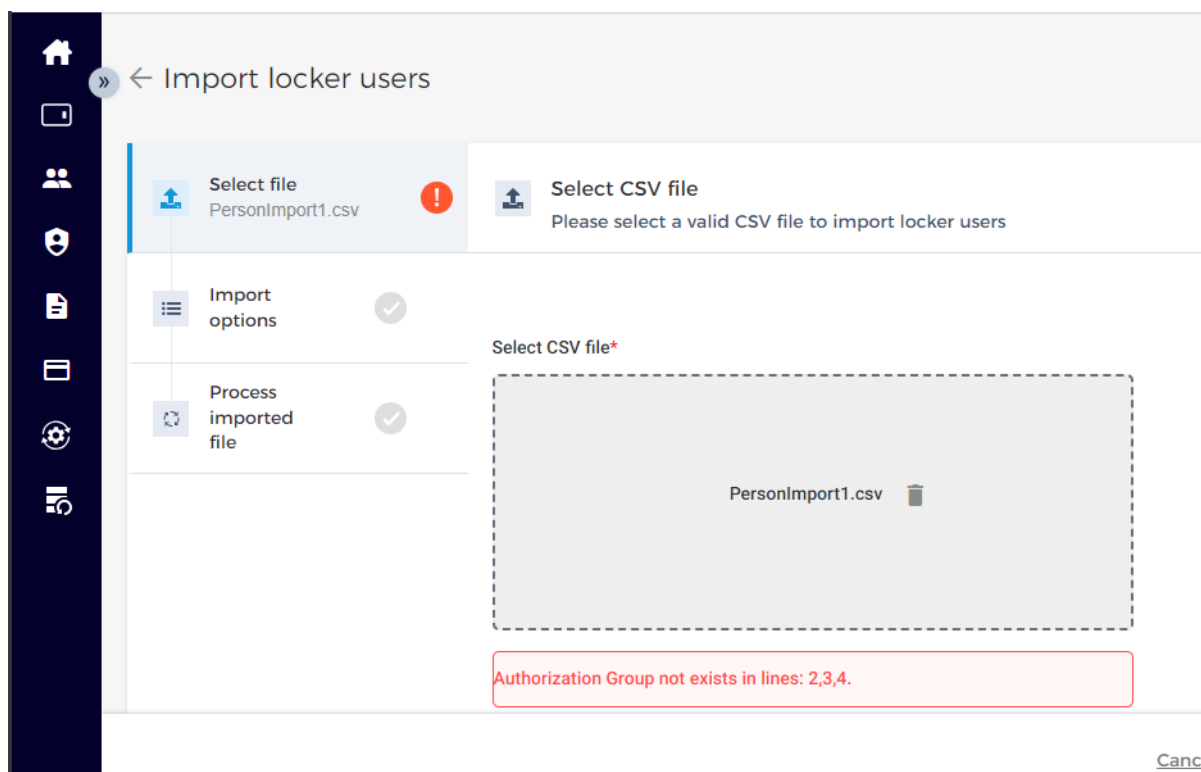
- All data columns must be written exactly as defined above (case sensitive and without spaces).
- Only the "UserID" column is mandatory; all other data columns are optional.
- The "UserID" is the unique ID to identify a locker user. The "UserID" is required in every row of the import file to identify the user and link them to the other data of the file
- Format of UserID: decimal
- An error message is displayed if the "UserID" is empty or not a number.
- A warning message is displayed, if any of the "UserID" numbers of the CSV file are already assigned to a locker user in eLoxx One. In this case, a message is displayed to confirm whether all the manually created users should be updated or deleted according to the import options.
- If the "ValidFrom" and "ValidUntil" columns are empty, unlimited validity is active.
- If the optional data columns are included in the CSV file, these will be added to the eLoxx One database. If the optional data columns are empty (or invalid) and the database has no corresponding data, the default

values will be added to the eLoxx One database. If the CSV file includes valid optional data and there are corresponding data in the database, the database will be updated with the new values.

If the file and contents are correct, a success message is shown after selecting the CSV file.

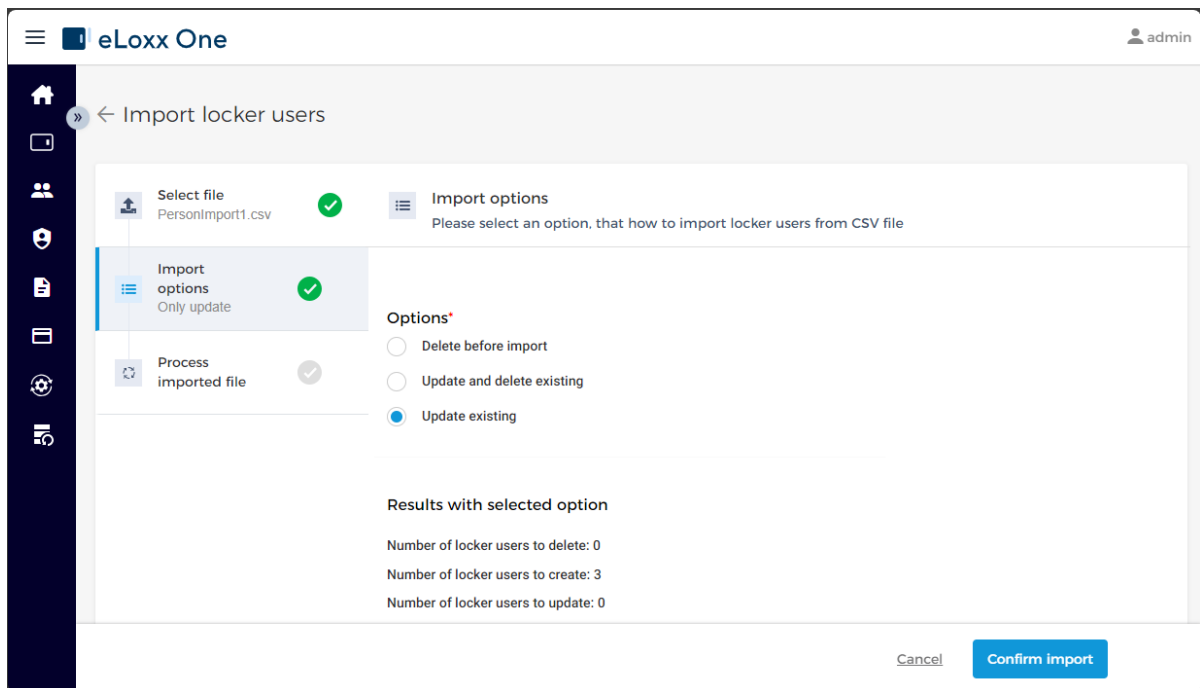


If problems or errors in the CSV file or conflicts with the locker user data in eLoxx One are encountered (see also infos above), corresponding error information are shown in red color.



5. Click on **Next Step**.

↪ The window for step 2 is displayed.



6. Select one of the following import options:

- *Delete before import:*

Before the import is executed, all users and their assigned authorizations in the eLoxx One database are deleted.

NOTE! All users previously created manually in eLoxx One are deleted with this option!

- *Update and delete existing:*

Selecting this option will update the eLoxx One database based on the data contained in the CSV file. If a locker user is no longer included in the CSV file, the user and their data will be deleted from the eLoxx One database.

NOTE! All users previously created manually in eLoxx One are deleted, if there is no corresponding UserID in the CSV file!

Changes to the user data in the CSV file (i.e., Name, FirstName, IsEnabled, Comment, CardUID, ValidFrom / ValidUntil) will be transferred to the database. If there are no locker or authorization group assignments in the CSV file, the current data in the database will be kept. If there are assignment data in the CSV file, the data in the database will be overwritten with the imported data.

- *Update existing:*

Selecting this option will update the eLoxx One database based on the new data contained in the CSV file. However, if a locker user is no longer included in the CSV file, the user and their data will remain in the database.

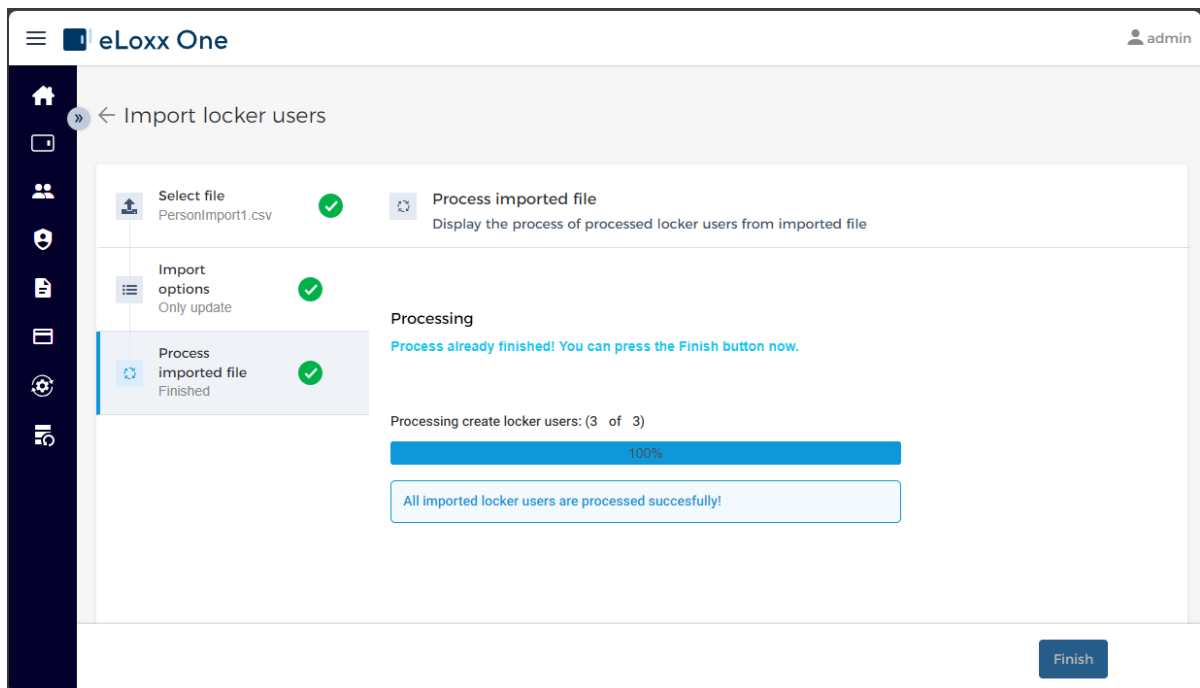
NOTE! No users are deleted with this option.

Changes to the user data in the CSV file (i.e., Name, FirstName, IsEnabled, Comment, CardUID, ValidFrom / ValidUntil) will be transferred to the database.

If there are no locker or authorization group assignments in the CSV file, the current data in the database will be kept. If there are assignment data in the CSV file, the data in the database will be overwritten with the imported data.

7. Click on **Confirm import**.

↪ The processing window is displayed.



8. After the imported file has been processed (green tick), click on **Finish**.

↔ The imported locker users are displayed on the **Locker users** page. A green tick in the **IMPORTED** column indicates that the locker user was added via CSV file.

The screenshot shows the 'Locker users' page in the eLoxx One application. The page title is 'Locker users' with a count of 5. There are buttons for 'Export locker users', 'Import locker users', and 'Add locker user'. The table below lists the users with columns: NAME, FIRST NAME, DATA CARRIER UID, LOCKERS IN USE, STATUS, and IMPORTED. The 'IMPORTED' column has green ticks for the last three users (Mailier, Müller, Smith). A green dashed box highlights the 'IMPORTED' column.

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailier	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓



NOTICE

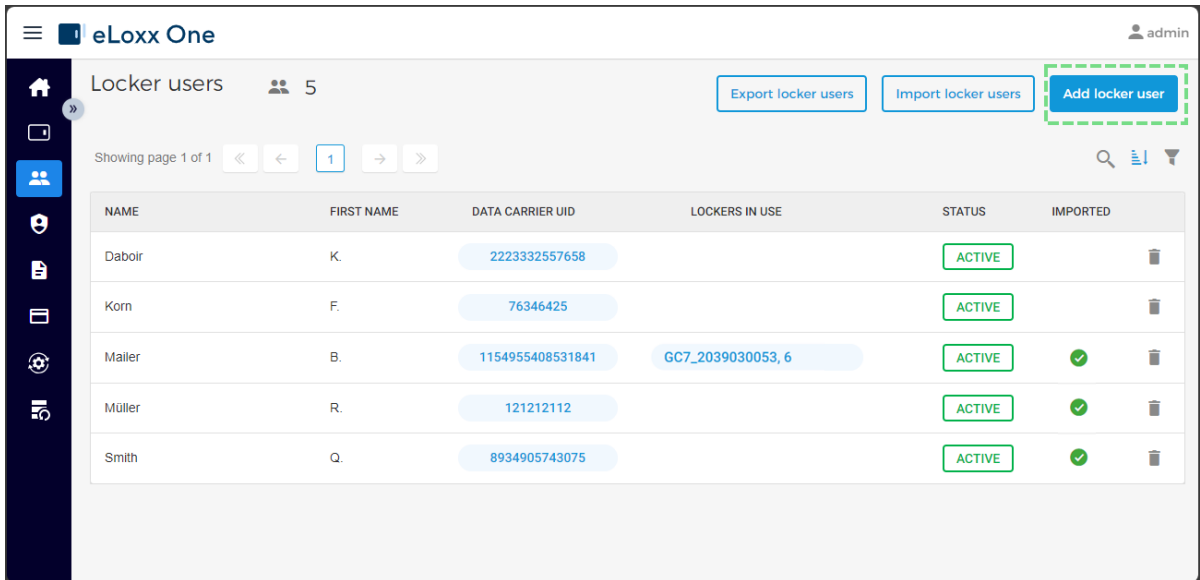
Click on **Export locker users** to export all current locker users and their data from the eLoxx One database to a CSV file.

5.11. Adding locker user manually

New locker users are added to the system and managed via the **Locker users** page.

1. Open the **Locker users** page.

↪ All defined locker users are displayed.

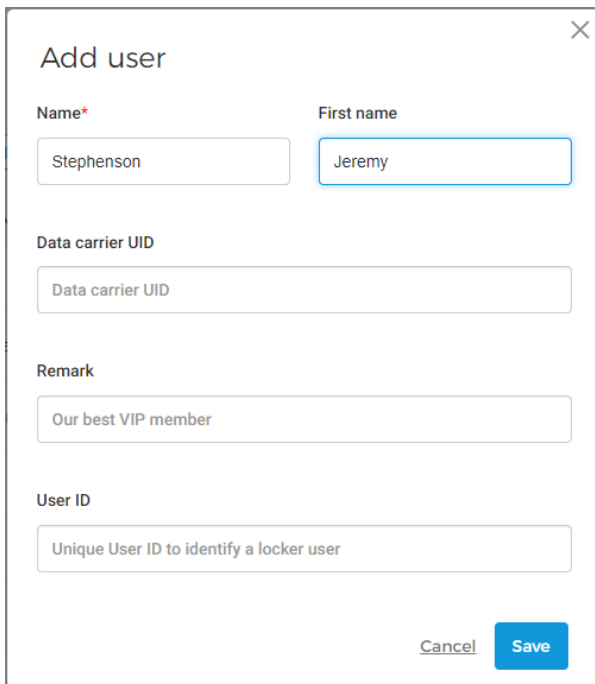


The screenshot shows the 'Locker users' page in the eLoxx One application. The page header includes the eLoxx One logo, a user profile icon for 'admin', and three buttons: 'Export locker users', 'Import locker users', and 'Add locker user'. The 'Add locker user' button is highlighted with a green dashed box. Below the buttons, there is a table with 6 columns: NAME, FIRST NAME, DATA CARRIER UID, LOCKERS IN USE, STATUS, and IMPORTED. The table contains 5 rows of user data. The 'Add locker user' button is highlighted with a green dashed box.

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailer	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓

2. Click on the **Add locker user** button.

↪ The user information window opens.



The screenshot shows the 'Add user' form. The form has the following fields:

- Name***: Stephenson
- First name**: Jeremy
- Data carrier UID**: Data carrier UID
- Remark**: Our best VIP member
- User ID**: Unique User ID to identify a locker user

At the bottom of the form, there are two buttons: 'Cancel' and 'Save'.

3. Enter the first and last name of the user into the respective fields. You can also enter the unique number (UID) of the user's data carrier. A data carrier UID can also be added later (see note below).

Each locker user also has a unique user ID for identifying the users. If you enter a number that is already used, a note will be displayed to show that another number must be selected.

A remark can also be added for a user with additional information about the user.

4. Click on **Save** to complete the process.
- ↪ The new user is added to the list of locker users.



NOTICE

You can now assign data carriers (see “[Assigning data carriers to a locker user \[52\]](#)”), lockers (see “[Assigning lockers to a locker user \[54\]](#)”, and authorization groups (see “[Assigning authorization groups to a locker user \[61\]](#)”) to the user.

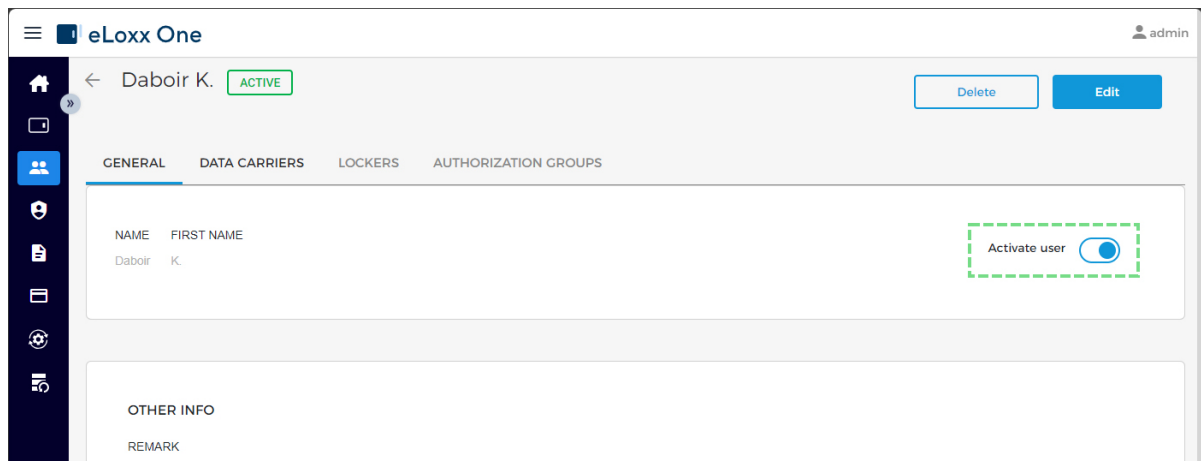
5.12. Deactivating and reactivating locker users

If you want to remove the authorization for a user to use the lockers, complete the following steps:

1. Open the **Locker users** page.
- ↪ All defined locker users are displayed.

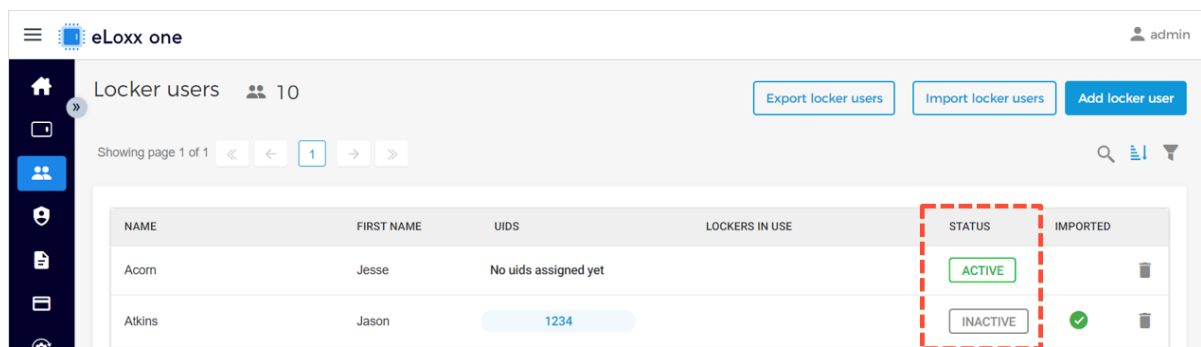
NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailier	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓

2. Click on the desired user in the list.
- ↪ The user information window is displayed.



3. Toggle the **Activate user** switch to allow or disallow the user from using the locker system.
4. Click on **Yes** in the configuration window to complete the action.

↪ The **STATUS** column shows which users are currently active or inactive.



↪ Deactivated users are no longer authorized to use the lockers. The assigned personal lockers can also no longer be used.

↪ If a locker is still being used by the user (locked), the user can no longer open this locker. The locker can be opened, e.g., using a MASTER data carrier.

5.13. Assigning data carriers to a locker user

Multiple data carriers can be assigned to each locker user. The permissions of the authorization group(s) that the locker user is assigned to apply to all data carriers of a locker user.

1. Open the **Locker users** page.
 - ↪ All defined locker users are displayed.

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailier	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓

2. Click on the desired user in the list.

↪ The user information window opens.

3. Switch to the **DATA CARRIERS** tab, and then click on **Add data carrier**.

↪ The following window opens.

- Enter the data carrier number (in decimal format) into the **Data carrier UID** field (this field is required).

NOTE! The UID number can be copied from the **Logs** page if the data carrier was previously read.

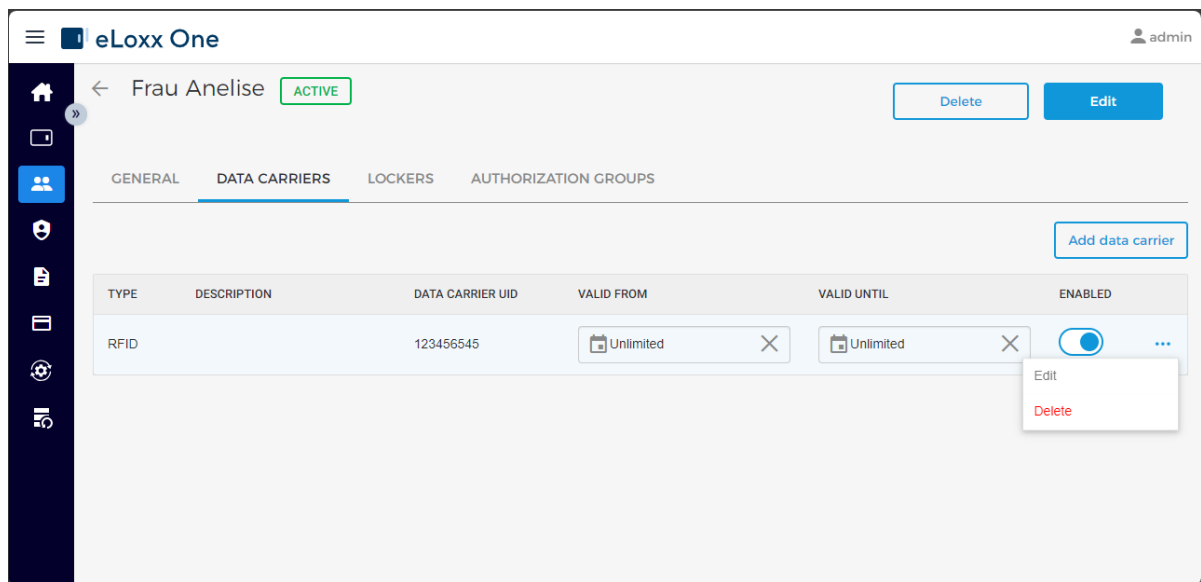


NOTICE

A GAT NET.Writer can be used to read the UID from the data carrier and enter it automatically into the field. See the GAT NET.Writer manual for instructions.

- A relevant **Description** (e.g., an internal number or other identifier) can be entered for the data carrier.
- The default validity period for the data carrier can be changed via the **Valid from** and **Valid until** fields.
- Click on **Save** to complete the process.

↪ The new data carrier is assigned to the locker user and shown on their **Data Carriers** tab.



- The validity period of the data carrier can be adjusted directly on this page. The data carrier can also be enabled or disabled via the **ENABLED** switch.
- To change other details, e.g., the UID number, or to delete the data carrier, click on the settings symbol (**...**) and select **Edit** or **Delete** from the menu (shown in the image above).
- Multiple data carriers can be assigned to each user by clicking on **Add data carrier** and completing the process again.

5.14. Assigning lockers to a locker user

This can be done in two ways. You can either assign a locker:

- directly to a user on the **Locker users** page, or
- to multiple users via the **Locker view** page.

5.14.1. Assigning lockers via the Locker users page

- Open the **Locker users** page.

↪ All defined locker users are displayed.

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425		ACTIVE	
Mailer	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	✓
Müller	R.	121212112		ACTIVE	✓
Smith	Q.	8934905743075		ACTIVE	✓

2. Click on the desired user in the list.

↪ The user information window opens.

3. Switch to the **LOCKERS** tab, and then click on **Assign lockers**.

↪ A list of all available lockers is displayed. Only those lockers that have been set to personal locker mode can be assigned to locker users.

Assign lockers

?Assign lockers to Jenny Wilson

🔍

☐	LOCKER NAME	LOCKER GROUP	ASSIGNED TO	DURATION
☐	1	GC7_2039030053		Unlimited ✕
☐	6	GC7_2039030053		Unlimited ✕

Cancel
Assign

- Select the locker(s) to assign to the user via the check box and define a validity period for locker use if desired.
- Click on **Assign**.

↔ The locker(s) assigned to the user are displayed on the **LOCKERS** tab and on the **Locker users** page.

eLoxx One
admin

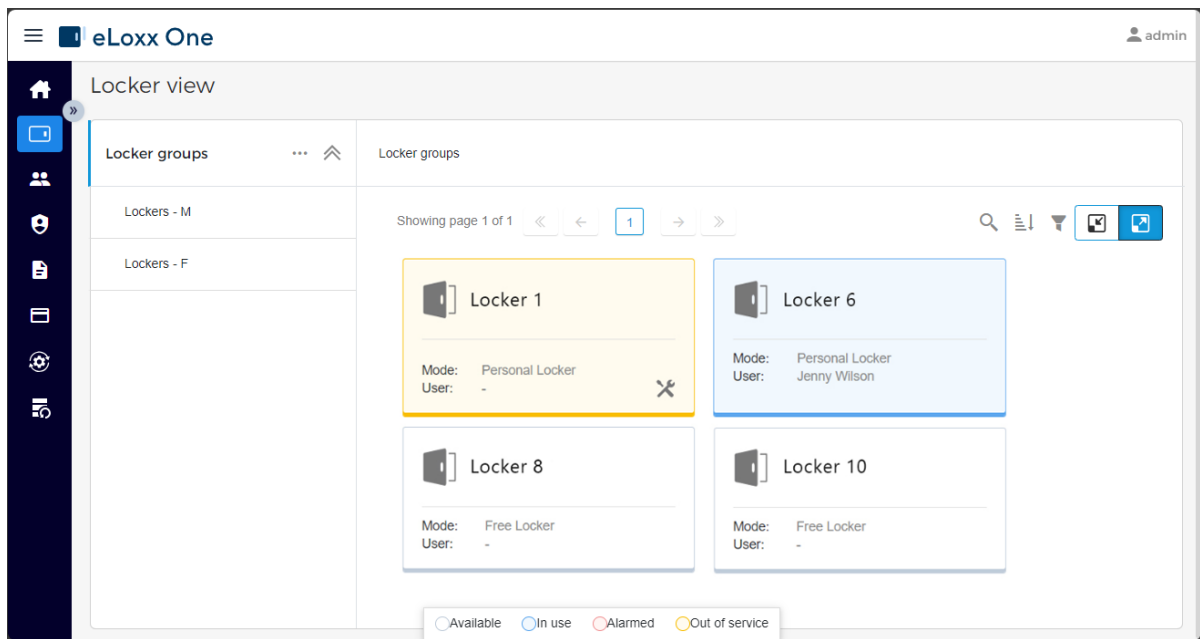
Locker users
5
Export locker users
Import locker users
Add locker user

Showing page 1 of 1
1

NAME	FIRST NAME	DATA CARRIER UID	LOCKERS IN USE	STATUS	IMPORTED
Daboir	K.	2223332557658		ACTIVE	
Korn	F.	76346425	Lockers - M, Grau	ACTIVE	
Mailier	B.	1154955408531841	GC7_2039030053, 6	ACTIVE	
Müller	R.	121212112		ACTIVE	

5.14.2. Assigning lockers via the Locker view page

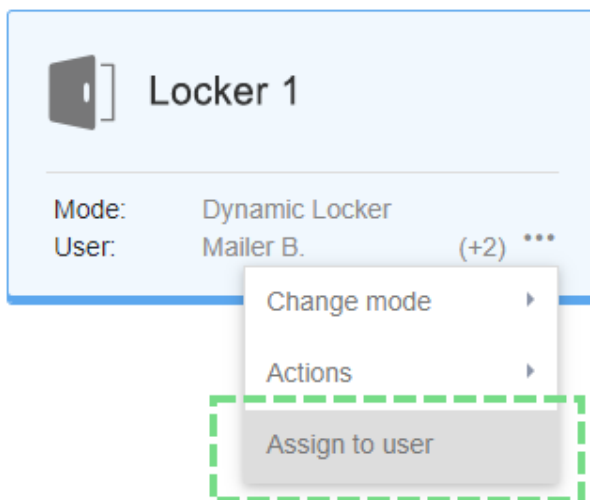
- Open the **Locker view** page.



NOTICE

The mode for each locker is displayed here. In order to be assigned to locker user(s), the locker must be operating in personal locker mode. See chapter [“Configuring the locker mode \[35\]”](#) for instructions.

- Click on the settings icon “...” of the respective locker and select **Assign to user** from the menu.



↪ The **Assign user** window opens in which all available locker users are displayed.

USERS	ASSIGNED LOCKERS	ASSIGNED UNTIL
☐ Daboir K.	No lockers assigned yet	Unlimited
☒ Müller R.	No lockers assigned yet	Unlimited
☐ Mailer B.	Grau, Grau	Unlimited
☐ Smith Q.	No lockers assigned yet	Unlimited
☐ Korn F.	No lockers assigned yet	Unlimited

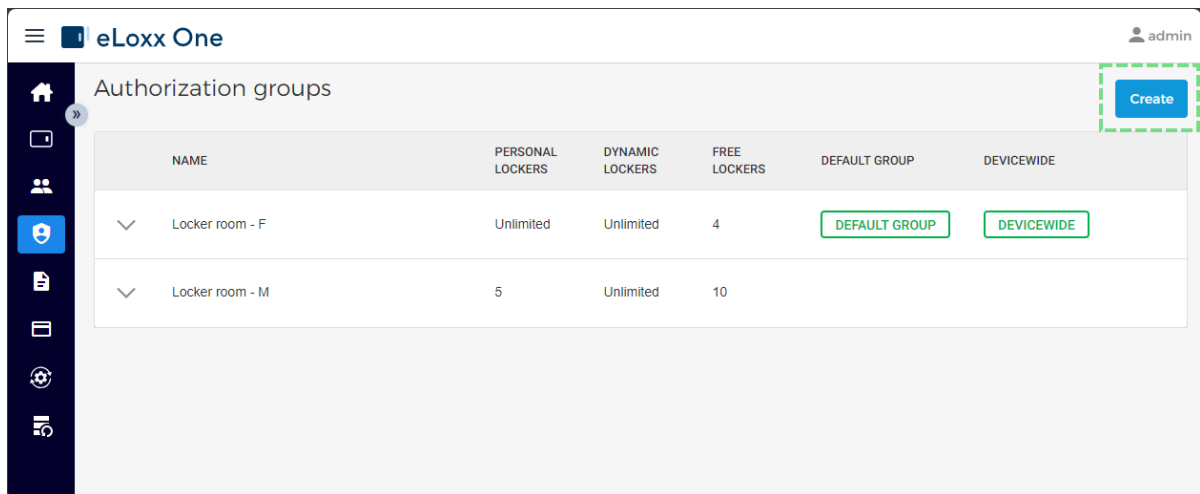
3. Select the locker user(s) to assign to the locker and define a validity period for locker use if desired.
4. Confirm by clicking on **Assign**.

The locker is displayed on the **Locker view** page with a blue background and the name(s) of the assigned user(s).

5.15. Defining authorization groups for locker users

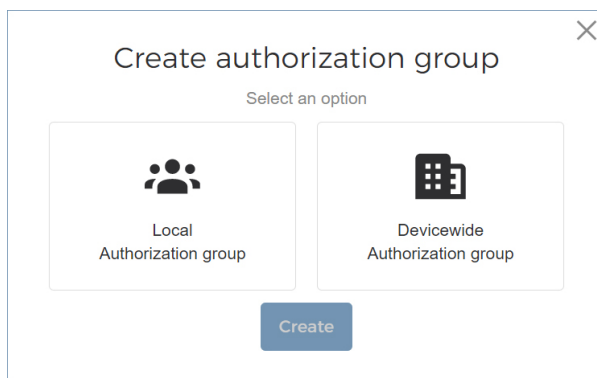
A locker user can be assigned to multiple authorization groups. In order to use a specific locker, the locker user must be assigned to an authorization group that grants access to this locker. When a locker user attempts to lock a free locker or when an operator assigns a personal locker to a locker user, eLoxx One checks whether the user is assigned to any authorization groups that grant access to this locker before denying or granting the request.

1. Open the **Authorization groups** page.
 - ↪ All defined authorization groups are displayed.



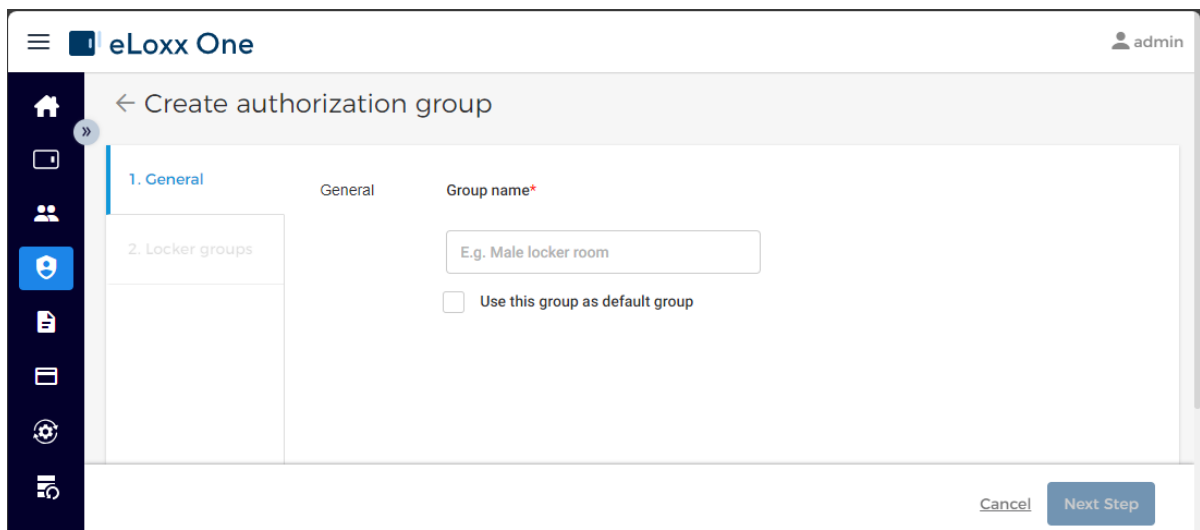
- Click on **Create**.

↳ The following window opens.



- Select the type of authorization group. When an authorization group is set as a **Devicewide Authorization group**, all locker groups of the GC7 controller can be accessed. Alternatively, select **Local authorization group** to restrict access to a specific locker group or groups. After selection, press **Create**.

↳ The following window is displayed.



4. Enter a name for the authorization group, e.g., Male locker room.
5. If desired, enable the **Use this group as default group** option. When an authorization group is set as a default group, every new locker user added to the system is automatically assigned to this authorization group. Multiple authorization groups can be set as the default group at the same time.
6. Click on **Next Step**.

↪ The following window is displayed.

7. Select the locker groups that the members of the authorization group are allowed to use. To do so, click on the **Locker group** field to open the locker group selection window. Additional locker groups can be added via the **Add locker group** button.
8. If you want to include all subgroups of the main locker group in the authorization group, enable the **Subgroups included** option.
9. For each locker mode of the locker group, select the number of lockers that the members of the authorization group are allowed to use. For example, if 3 is entered in the **Free locker** field, the users assigned to this authorization group can occupy up to 3 lockers in free locker mode simultaneously. The default values for allowed lockers per mode is 1.
10. Optional step: Select the **Add group locker limits** setting to define a total locker limit for all locker groups assigned in this authorization group.

Example:

In the "Employee" authorization group (see image above), employees are allowed to have the following number of "free lockers":

- 1 free locker in the locker group "Lockers - M"
- 4 free locker in the locker group "Deposit 1"
- 1 free locker in the locker group "Lockers - F"

This would mean that **without the group locker limit** users of this authorization group could use a total of **6** lockers in the three locker groups at the same time (1 in "Lockers -M", 1 in "Lockers - F" and max. 4 in "Deposit 1").

But in this example the **Add group locker limits** is activated and the value for Free Lockers is set to **5**, so this means that a total of **5** lockers of Free Locker Mode can be used in the groups together. So for example if **1** locker is used in "Lockers - M" and **4** are used in "Deposit 1" **no** locker can be used in "Lockers - F".

5.16. Assigning authorization groups to a locker user

After an authorization group has been created (see chapter "Defining authorization groups for locker users [58]"), locker users can be assigned to the group by one of the following two ways:

- to multiple users via via the **Authorization groups** page, or
- to a single user via the **Locker users** page.

5.16.1. Assigning authorization groups via the Authorization groups page

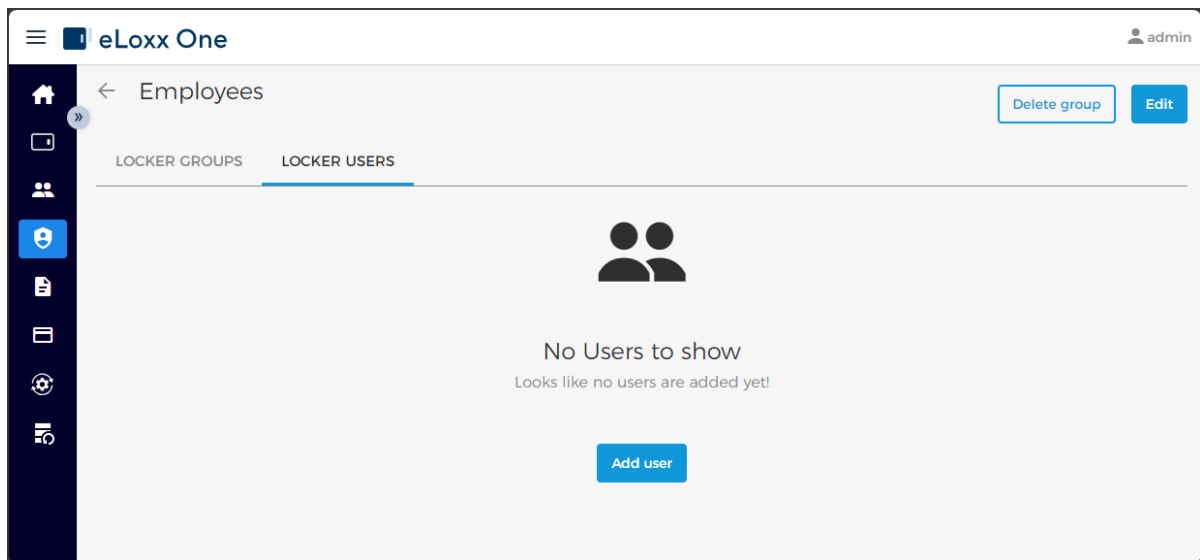
1. Open the **Authorization groups** page.

↪ All defined authorization groups are displayed.

NAME	PERSONAL LOCKERS	DYNAMIC LOCKERS	FREE LOCKERS	DEFAULT GROUP	DEVICEWIDE
Locker room - F	Unlimited	Unlimited	4	DEFAULT GROUP	DEVICEWIDE
Locker room - M	5	Unlimited	10		

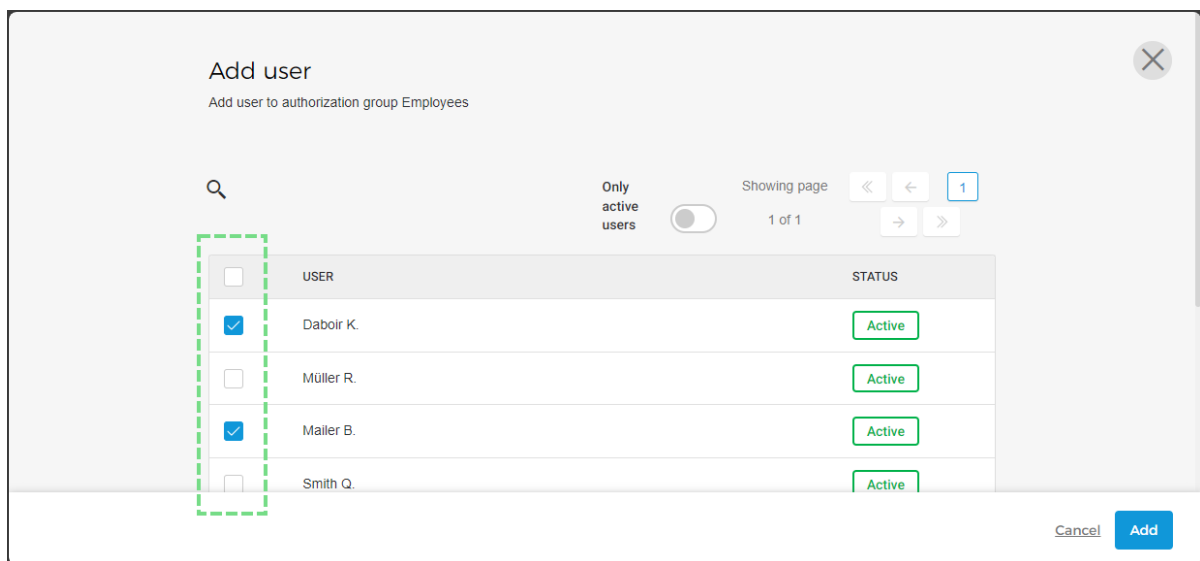
2. Click on the desired group and switch to the **LOCKER USERS** tab.

↪ The following windows is displayed.



- Click on the **Add user** button.

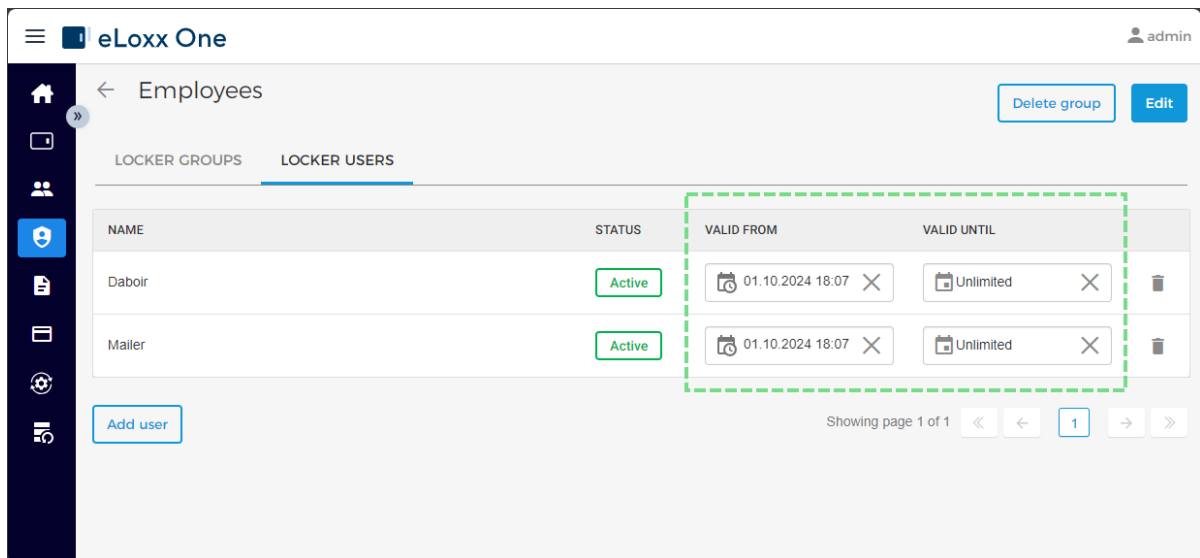
↪ All defined locker users are displayed.



- Select the locker user(s) to assign to the authorization group.

- Confirm by clicking on **Add**.

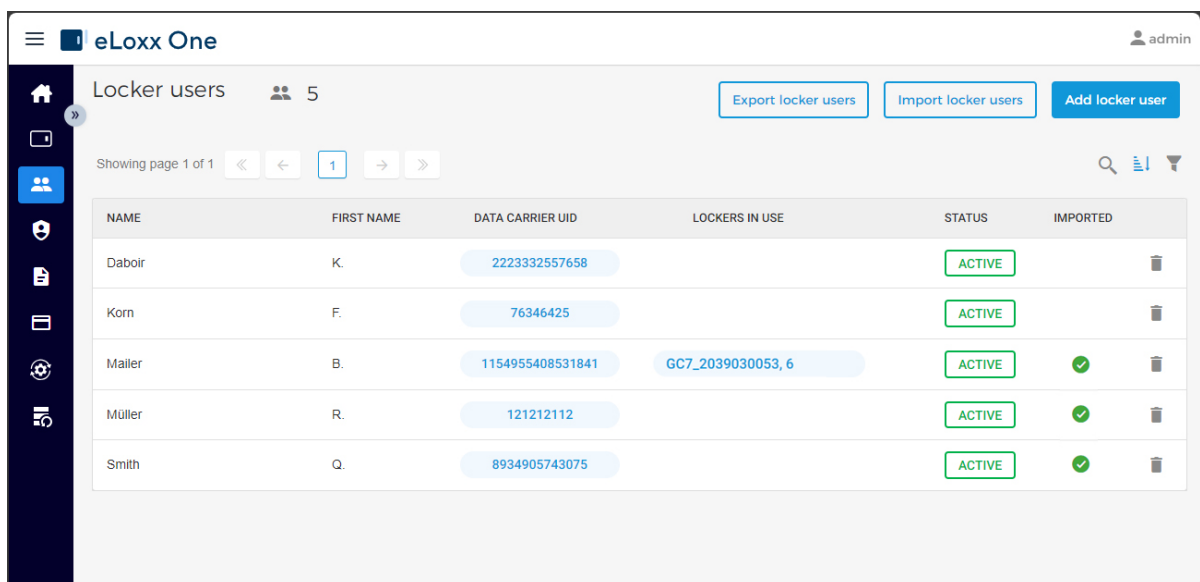
↪ The assigned locker user(s) are displayed on the **USER** tab.



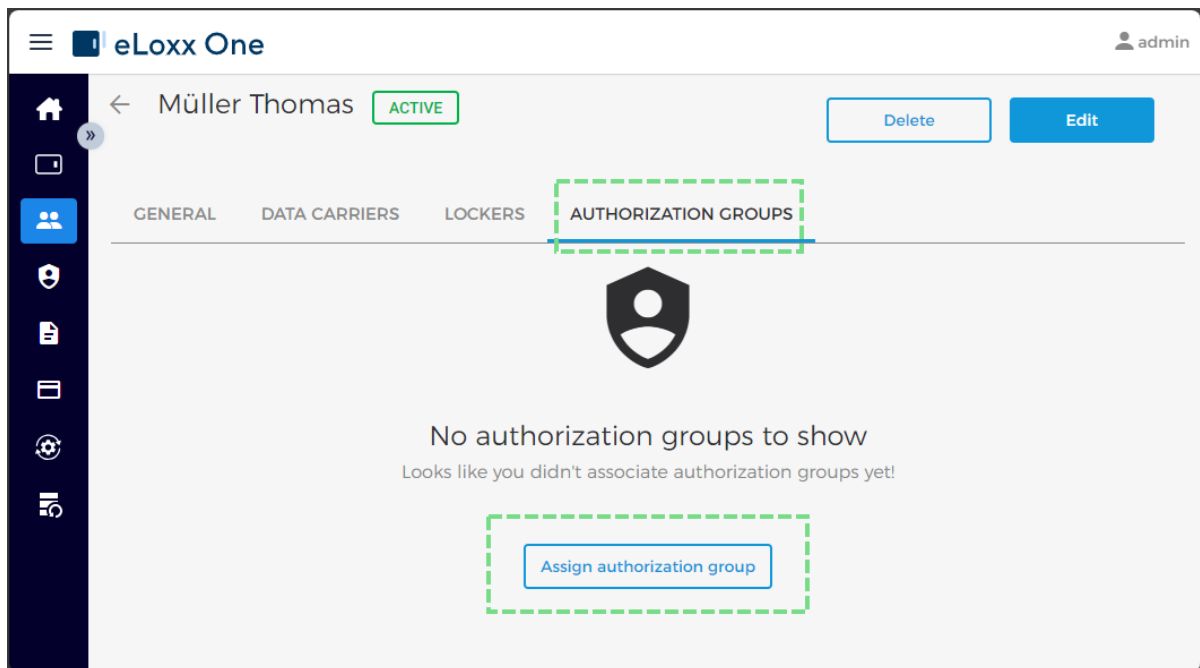
- A validity period can be set for each user that defines when they can use the locker system. If the validity period expires, the user can no longer use the lockers of the locker groups within the authorization group.

5.16.2. Assigning authorization groups via the Locker Users page

- Open the **Locker users** page.
↳ All defined locker users are displayed.

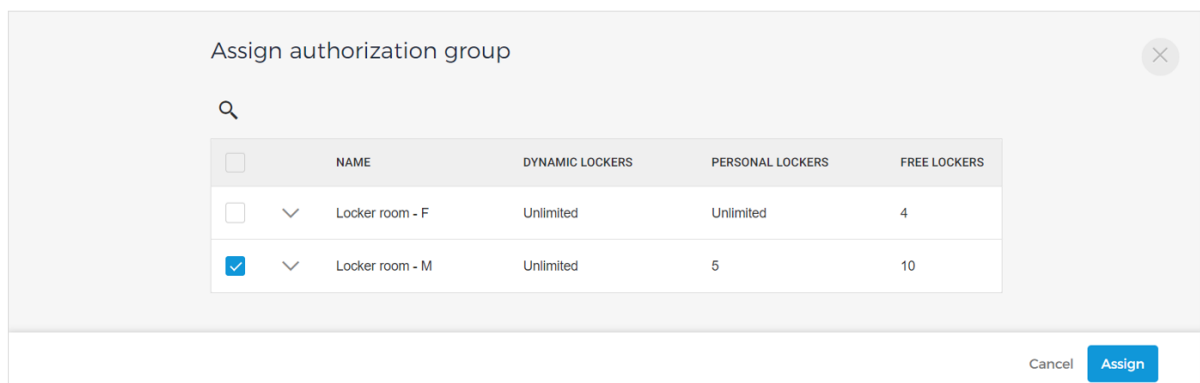


- Click on the desired user in the list.
↳ The user information window opens.



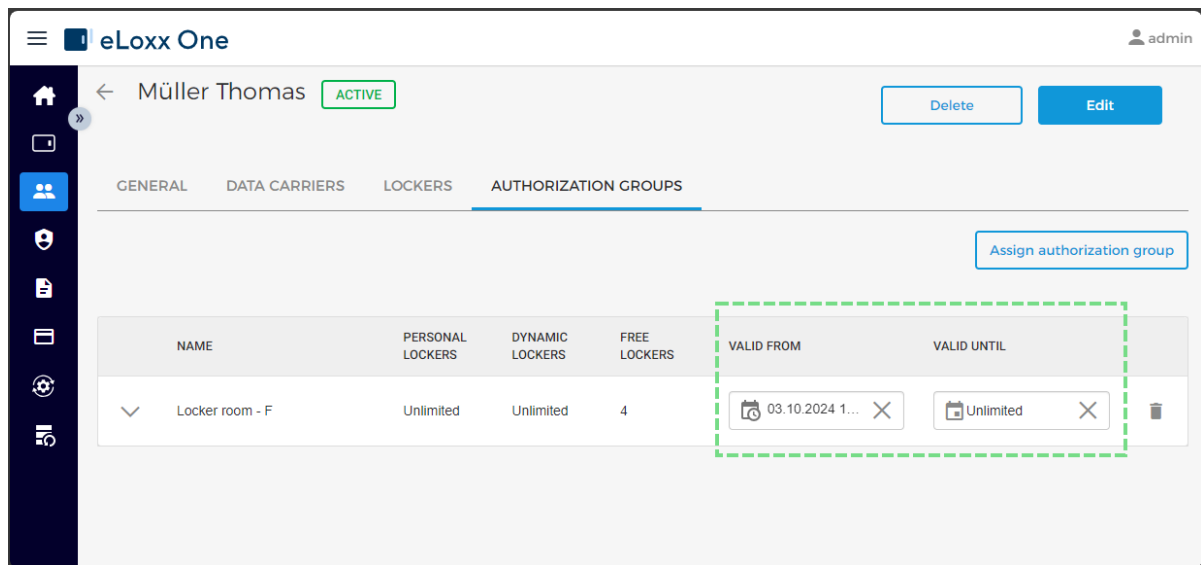
3. Switch to the **AUTHORIZATION GROUPS** tab and then click on **Assign authorization group**.

↪ All available authorization groups are displayed.



4. Select the group(s) to assign to the user via the check box and then click on **Assign**.

↪ The assigned group(s) are displayed on the **AUTHORIZATION GROUPS** tab.



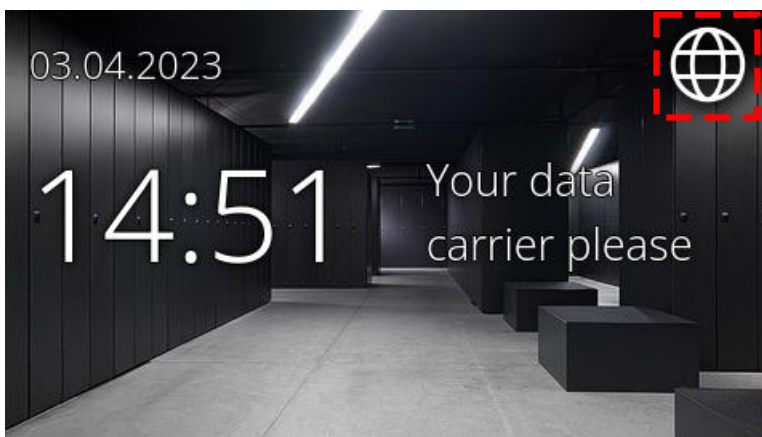
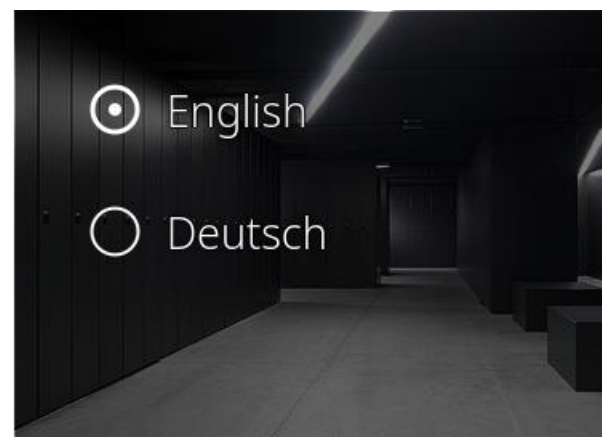
5. A validity period can be set for the user that defines their usage period. If the validity period expires, the user can no longer use the lockers of the locker groups within the authorization group.

5.17. GT7 Info Function

The G7 Main Controller App besides the GC7 controllers can also run on GANTNER's GT7 terminals. Those have a color display to show different information, e.g., a user's locker number, from the eLoxx One database after the user reads their data carrier at the terminal. For this function, the eLoxx One license must be activated for the G7 Main Controller App that is running on the GT7 terminal. The process of installing the G7 Main Controller App and activating eLoxx One is analogous to that of the GC7 controller described in chapter "[Installation \[9\]](#)".

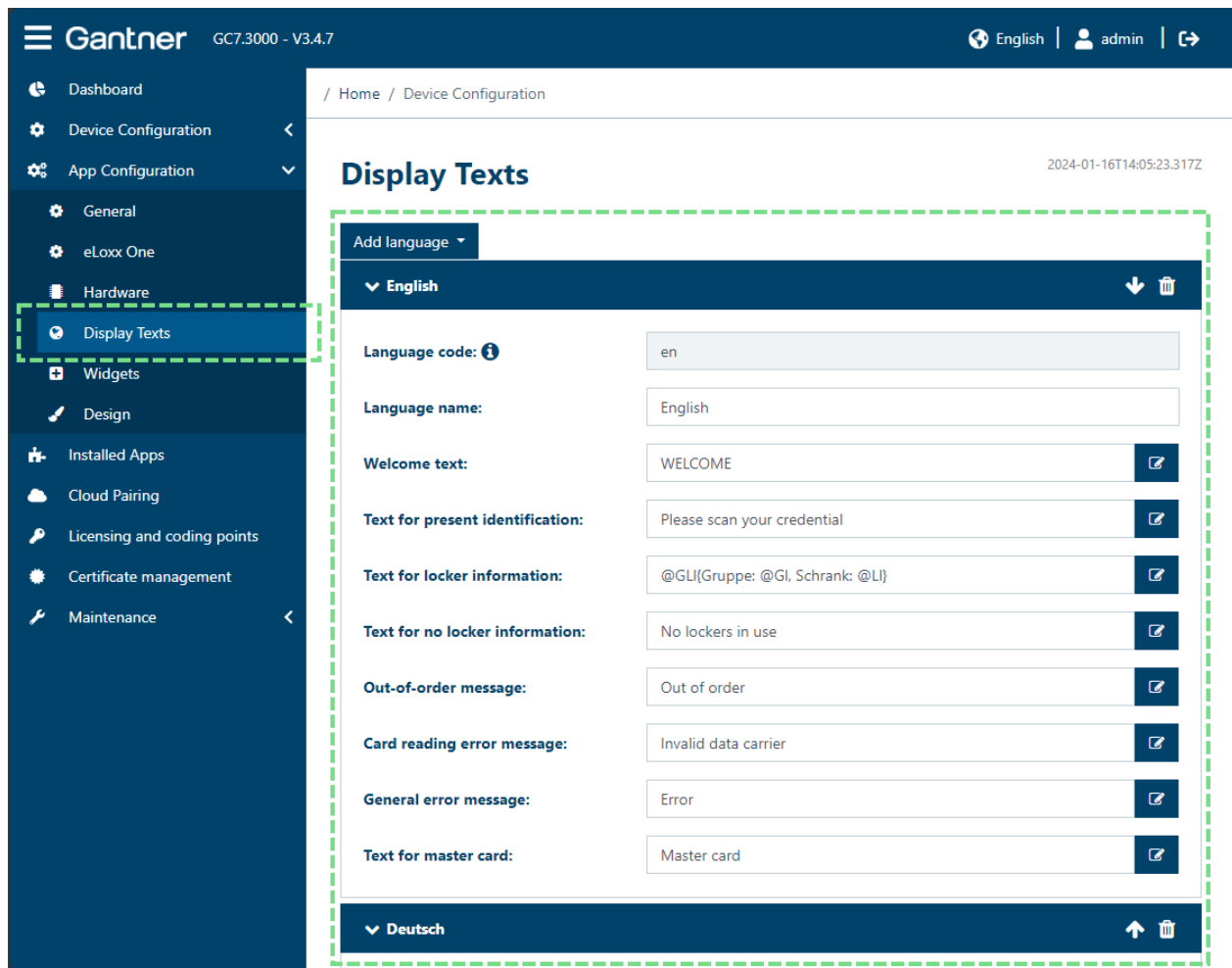
For the display of information on the GT7 terminal, German and English languages are pre-defined in the GT7 web interface. The user can switch between languages on the touchscreen by pressing the language icon.

Figure 3. Language selection icon on the GT7



- To define the display languages, select **App Configuration -> Display Texts** in the GT7 web interface.

Figure 4. Defining languages for the display texts



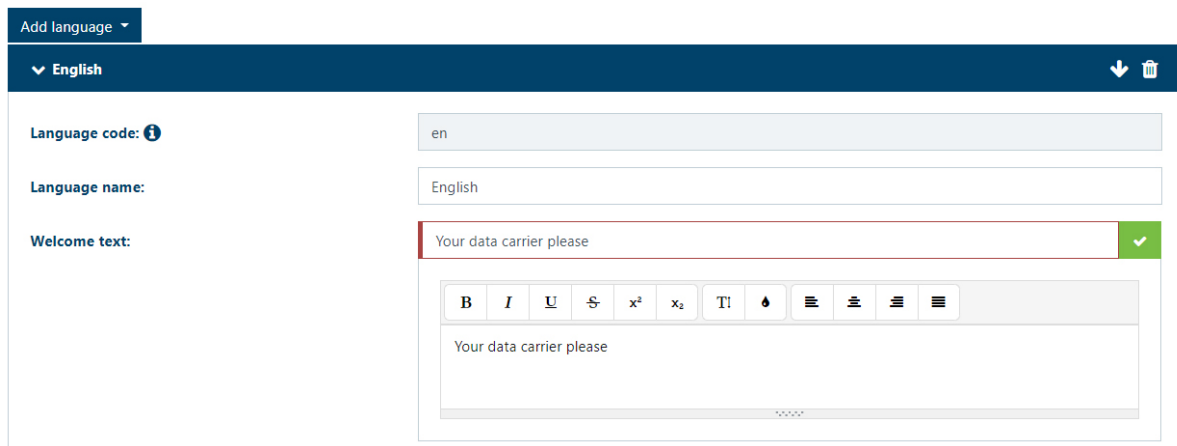
5.17.1. Editing languages and texts

The predefined texts are listed for each language. The languages are divided into blocks that can be opened and closed by clicking on the language name.

1. The display texts are predefined for German and English. If one of these languages is deleted, you can insert it again by clicking on **Add language**.
2. The order of the language blocks can be changed using the arrows in the language headers.



3. To edit a text, write directly into the text field.
↪ The field turns green. This indicates that this text has been changed but has not been saved yet.
4. Via the edit icon  next to a text field, formatting options (font sizes, bold, italics, fonts, etc.) can be defined for the texts.
↪ An editor is displayed, where you can change the default text and formatting.



5. Confirm the formatting by clicking on .

The formatting is displayed graphically in the editor (bold font, color, etc.). In the text line, the formatting is displayed as HTML tags in the text line (e.g., `<font size = '7'>`).

NOTE! Formatting must always be done within the editor - text cannot be edited directly.

6. Via the delete icon , a language including all text modules can be deleted.

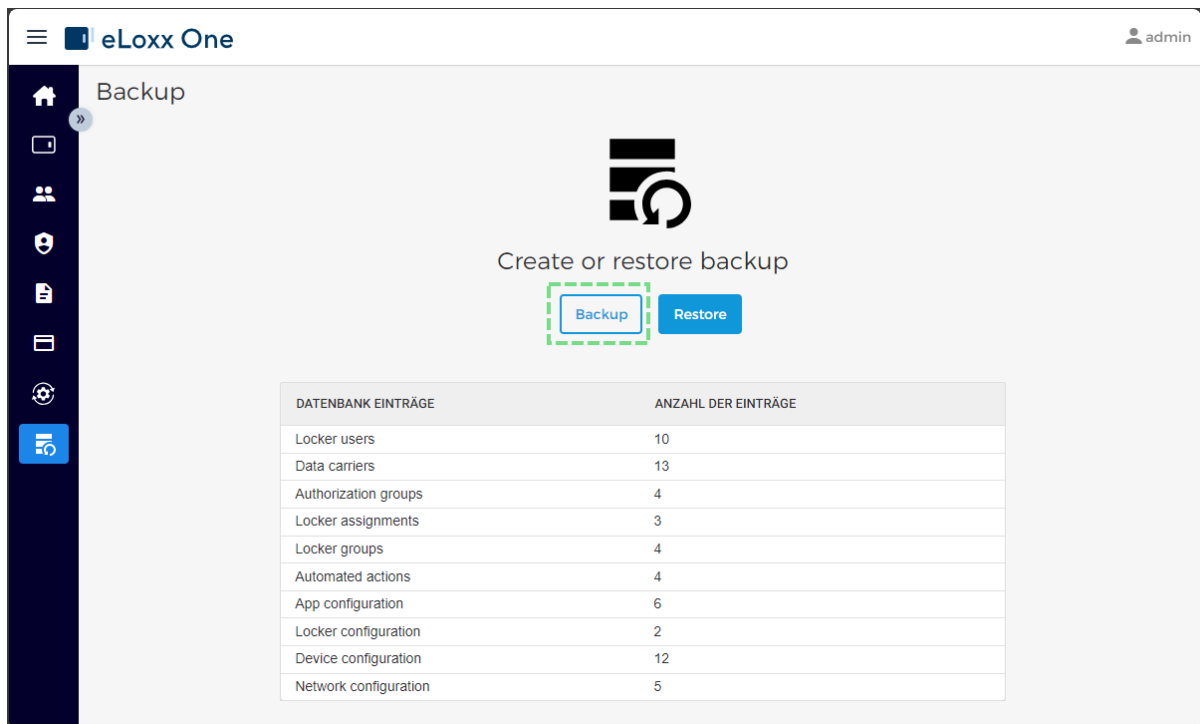
5.18. Backup the eLoxx One database

The backup function allows to save all data in the eLoxx One database in an archive (ZIP file). This includes user data, locker configuration and locker groups, authorization assignments, network configuratoin, device configuration and so on.

It is recommended to make a backup after each change in the eLoxx One software.

To make a backup, follow these steps:

1. Open the **Backup** site with click on the menu option **Backup**.
 - ↪ On this site you see the amount of data records for each data category like users, lockers configurations etc.



2. Click on the button **Backup**.

↪ The data will be exported into different JSON files (one file for each data category) and downloaded into standard download folder (see browser settings). The download happens as a ZIP file where all JSON files are packed.

3. Save the downloaded ZIP backup file into a save location for later use. The backup can be restored (see topic "[Restore eLoxx One database with a previously saved backup \[68\]](#)").

5.19. Restore eLoxx One database with a previously saved backup

When restoring a previously saved backup, the data in the backup file will be read and the existing database of eLoxx One will be updated with the read data records. This will set eLoxx One back to the state at the time the backup was taken.



NOTICE

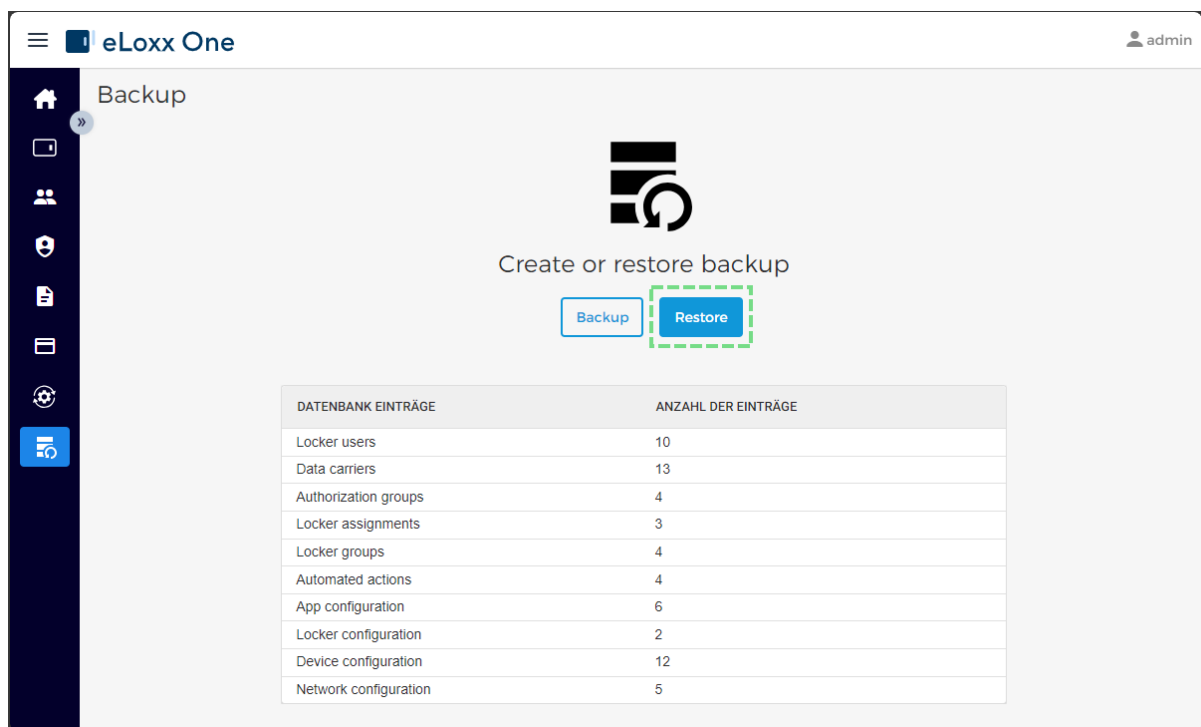
Keep in mind that when restoring a backup, all current data will be overwritten with the backup data.

Note that in order for restoring all data correctly, the system structure (hardware) must not have been changed between the backup and restore. Only then all locker and controller configurations and locker groups etc. can be reconfigured correctly. If you would have changed a hardware component like a controller or locks, the restore of the locker and controller configuration will fail.

To restore data from a previously saved backup, proceed with the following steps.

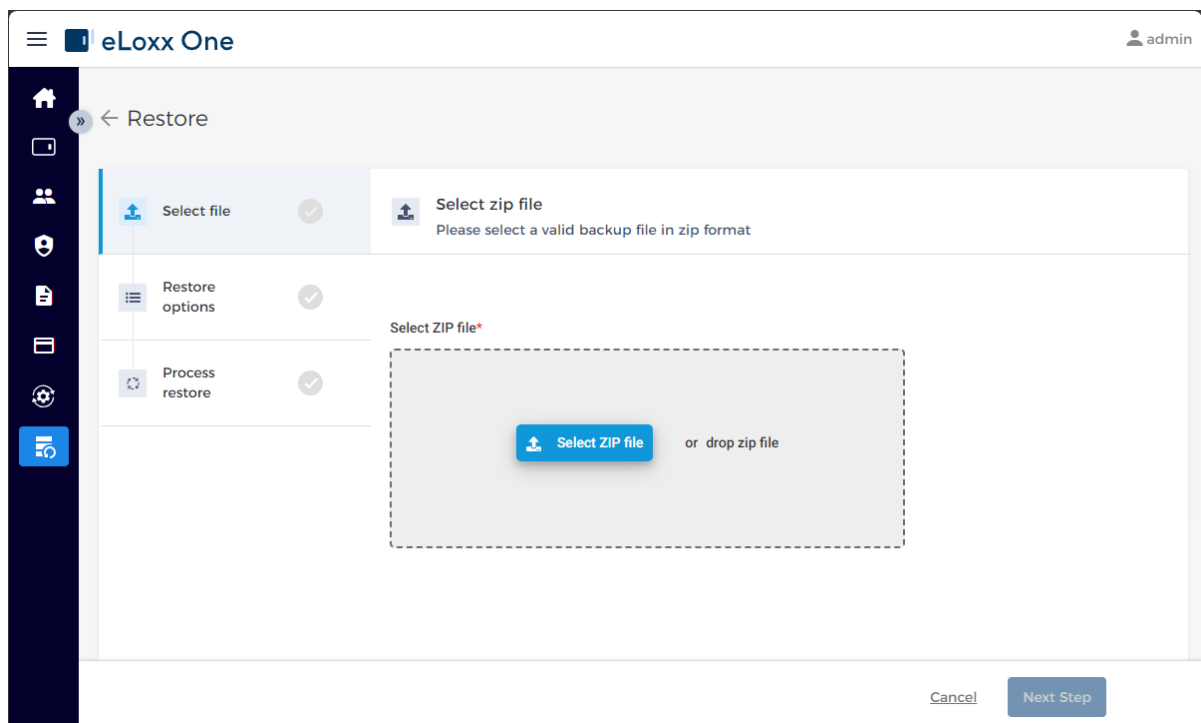
1. Select the **Backup** menu item.

↪ The number of currently stored data records in the database is shown.



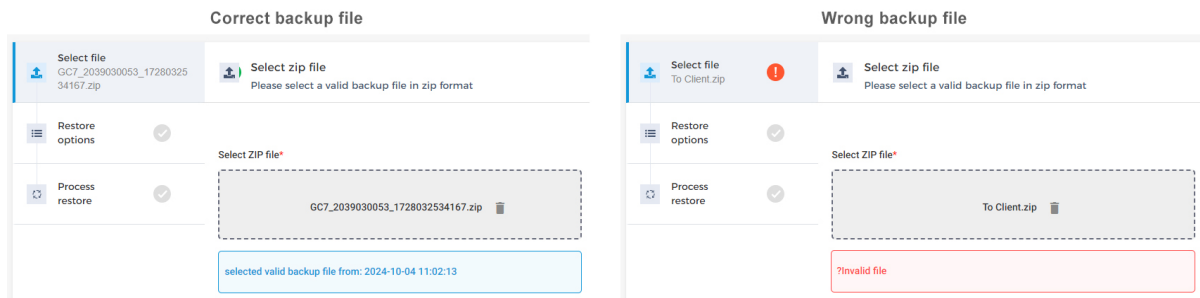
- Click on the **Restore** button.

↪ The Restore page with the first step (**Select file**) will be shown.



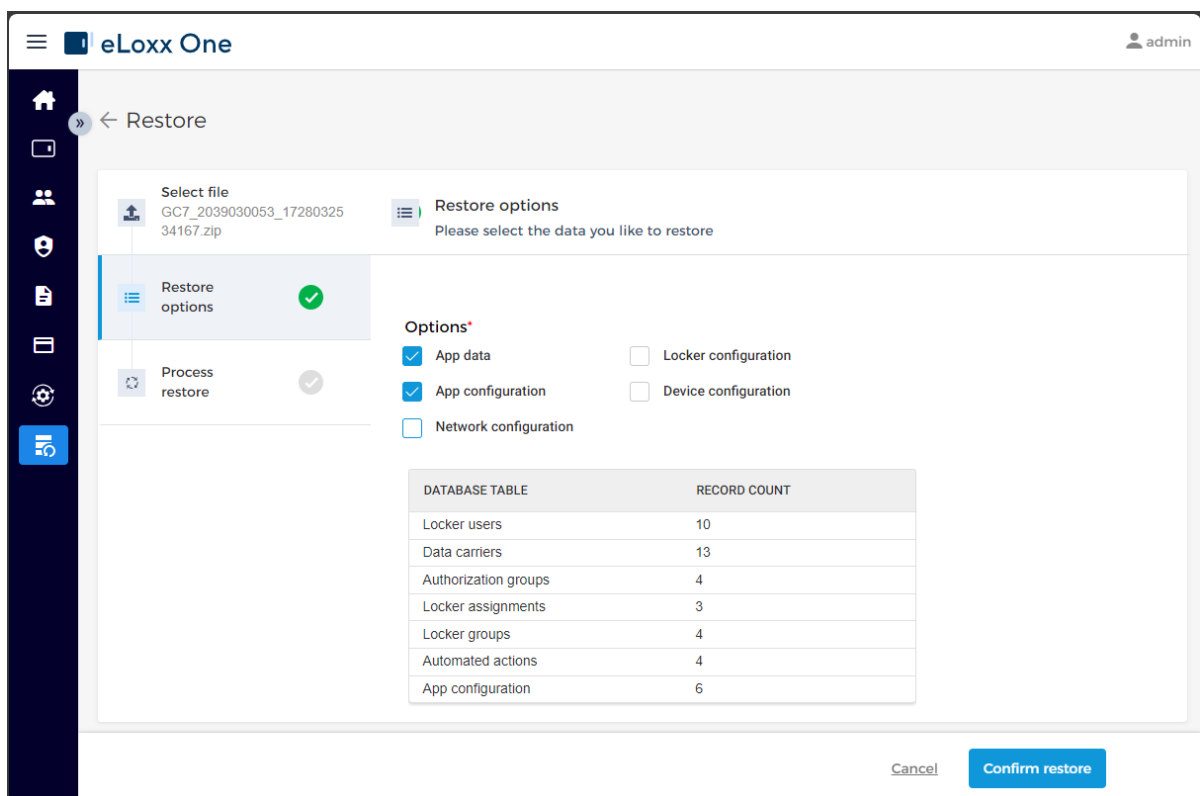
- Select the ZIP file that holds the backup data that shall be restored. Therefore you can click on the button **Select ZIP file** or drag the ZIP file onto the gray field.

The file is processed and checked. If the content is correct, a blue message shows that the backup data is valid. Else an error message is shown in red. Check if you selected a valid backup file that was generated with the Backup function of eLoxx One.



- Click on **Next step**.

↪ The step 2 in the restore process is shown.



- Here you can select, which data shall be imported, by selecting the desired data in the **Options** area. Only the selected data records are restored and the remaining data will not be changed.

When selecting different options, the corresponding data, that will be restored, is shown in the table below.



NOTICE

Note: When you select only the **Locker configuration** data option and no other option, detailed information about the locker configuration is shown in the table below.

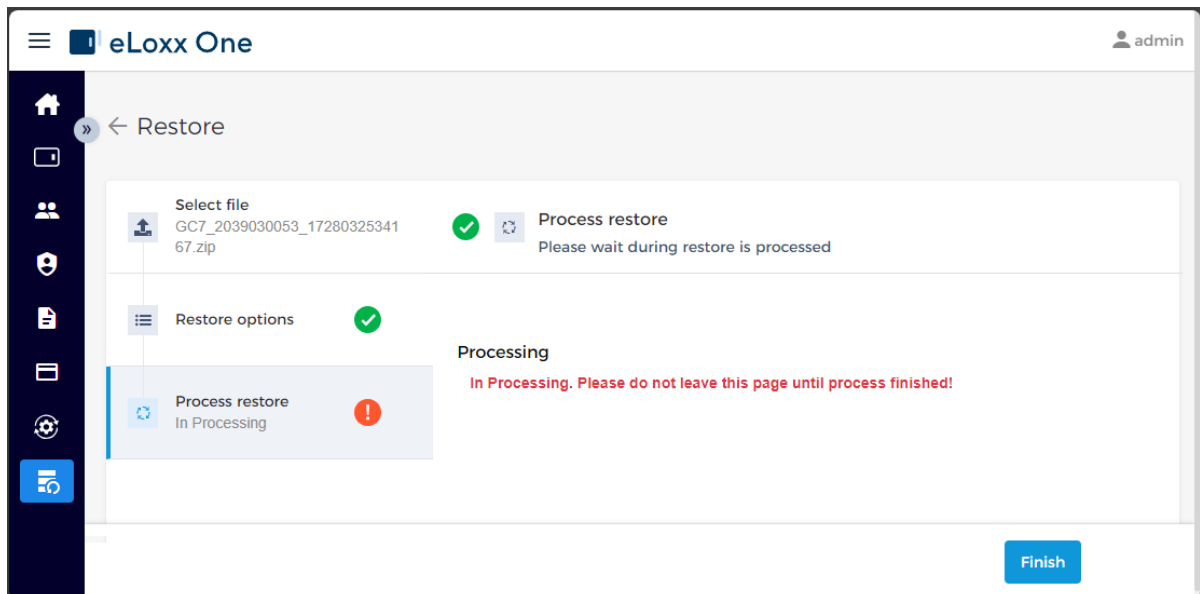
Options*

- ☐ App data
☐ App configuration
☐ Network configuration
☒ Locker configuration
☐ Device configuration

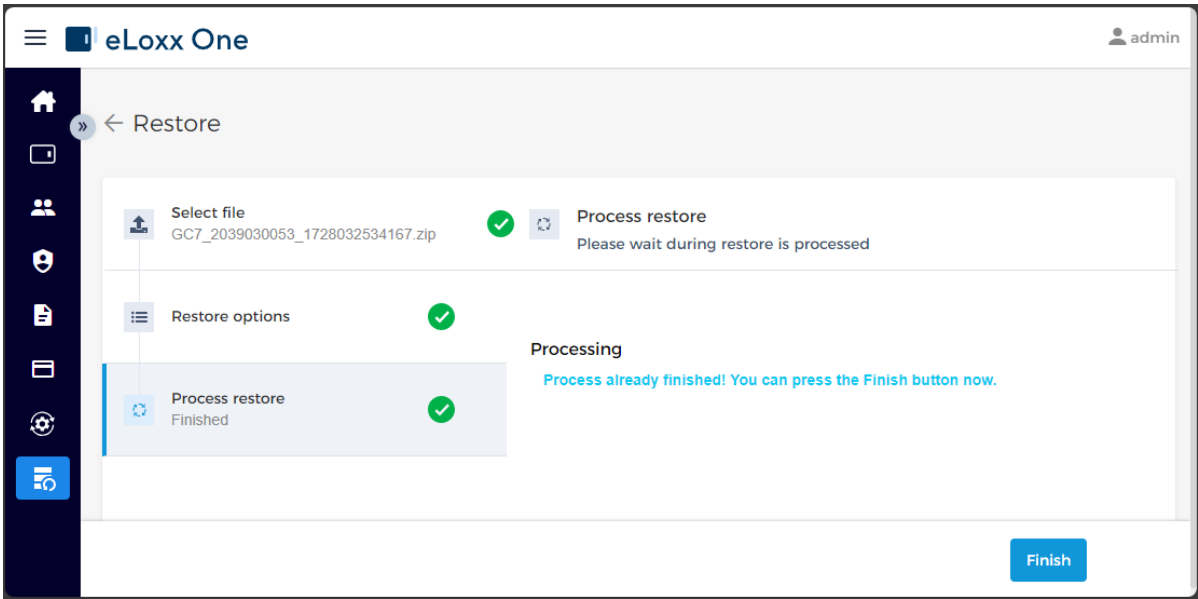
WARNING	LABEL	LOCKID	ARTICLENUMBER	SERIALNUMBER	LOCKER GROUP	GROUP	NUMBER	MODE
	Blue	00253426-1318000057-01	00368534	1426030789	Lockers M	2	1	PersonalLocker
	Gray	00253426-1318000057-02	00368534	1340030059	Lockers M	2	2	DynamicLocker

6. Now you can press **Confirm restore**.

↪ Do not close the window or cancel the process, while the restore process is active. During this process the following information text is shown.



7. When the restore process is completed, a corresponding message is shown. Confirm with clicking the button **Finish**.







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SCAN FOR CONTACT

